

# **EXHIBIT E**

Ted M. Roth, M.D.

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IN THE UNITED STATES DISTRICT COURT  
FOR THE SOUTHERN DISTRICT OF WEST VIRGINIA  
CHARLESTON DIVISION

IN RE: ETHICON, INC.	) Master File No.
PELVIC REPAIR SYSTEM	) 2:12-MD-02327
PRODUCTS LIABILITY	) MDL No. 2327
LITIGATION	)
	) JOSEPH R. GOODWIN
THIS DOCUMENT RELATES TO	) U.S. DISTRICT JUDGE
ALL WAVE 4 PLAINTIFFS	)

DEPOSITION OF TED M. ROTH, M.D.

(TVT and TVT-O General)

Deposition of TED M. ROTH, M.D., taken  
before Beth Gaige, RPR, Notary Public in and  
for the State of Maine, pursuant to notice  
dated March 13, 2017, at the Embassy Suites

Hotel by Hilton, 1050 Westbrook Street,

Portland, Maine, on March 16, 2017, commencing

at 9:59 a.m.

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<p>1 APPEARANCES</p> <p>2</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>7 For the Plaintiff:</p> <p>8</p> <p>9 Andrew N. Faes, Esq.</p> <p>10 WAGSTAFF &amp; CARTMELL, LLP</p> <p>11 4740 Grand Avenue, Suite 300</p> <p>12 Kansas City, MO 64112</p> <p>13 816.701.1100</p> <p>14 afaes@wcllp.com</p> <p>15</p> <p>16 For the Defendant:</p> <p>17</p> <p>18 Diana Katz Gerstel, Esq.</p> <p>19 Riker Danzig</p> <p>20 Headquarters Plaza</p> <p>21 One Speedwell Avenue</p> <p>22 Morristown, NJ 07962-1981</p> <p>23 973.451.8468</p> <p>24 dgerstel@riker.com</p>	<p>1 TRANSCRIPT OF PROCEEDINGS</p> <p>2 -----</p> <p>3 TED M. ROTH, M.D., having been duly sworn by</p> <p>4 the Notary Public, was examined and testified</p> <p>5 as follows:</p> <p>6 DIRECT EXAMINATION</p> <p>7 BY MR. FAES:</p> <p>8 Q. Good morning, Dr. Roth.</p> <p>9 A. Morning.</p> <p>10 Q. My name is Andy Faes, and I represent various</p> <p>11 plaintiffs in this litigation, and I'm here</p> <p>12 today to take your deposition regarding your</p> <p>13 opinions on the TVT and TVT-O.</p> <p>14 Do you understand that?</p> <p>15 A. Yes.</p> <p>16 Q. And you understand that you're under oath and</p> <p>17 must tell the truth, right?</p> <p>18 A. Yes.</p> <p>19 Q. If I ask you a question any time today that</p> <p>20 you don't understand, please feel free to let</p> <p>21 me know, and I'll try to rephrase the</p> <p>22 question. Otherwise, if you answer the</p> <p>23 question, I'll assume that you understood the</p> <p>24 question as asked.</p>
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<p>1 INDEX</p> <p>2 DEPONENT: TED M.ROTH, M.D. PAGE:</p> <p>3 Direct Examination by Mr. Faes 4</p> <p>4 Cross Examination by Ms. Katz Gerstel 217</p> <p>5</p> <p>6 EXHIBITS: PAGE:</p> <p>7 Exhibit-No. 1 Notice of Deposition 7</p> <p>8 Exhibit-No. 1-A Invoices 9</p> <p>9</p> <p>10 Exhibit-No. 2 Defense Expert General 15</p> <p>11 Report</p> <p>12 Exhibit-No. 3 General Reliance List 42</p> <p>13 Exhibit-No. 3-A Supplemental General 43</p> <p>14 Reliance List</p> <p>15 Exhibit-No. 4 Curriculum Vitae 47</p> <p>16 Exhibit-No. 5 Dollars for Docs 95</p> <p>17 Exhibit-No. 6 Report from CMS.gov 98</p> <p>18 Exhibit-No. 7 ProPublica report 100</p> <p>19 Exhibit-No. 8 Contract with Ethicon 106</p> <p>20 Exhibit-No. 9 E-mail chain 116</p> <p>21 Exhibit-No. 10 Contract with Ethicon 125</p> <p>22</p> <p>23 Exhibit-No. 11 Article published by</p> <p>24 Dr. Roth 211</p> <p>Exhibit-No. 12 Article published by</p> <p>Dr. Roth 211</p>	<p>1 Fair enough?</p> <p>2 A. Yeah.</p> <p>3 Q. You've been deposed before, right?</p> <p>4 A. I have.</p> <p>5 Q. How many times?</p> <p>6 A. Twice.</p> <p>7 Q. And one of those cases was a case involving an</p> <p>8 Ethicon pelvic mesh product, right?</p> <p>9 A. As a -- yes. I was an implanter.</p> <p>10 Q. And what was the other case?</p> <p>11 A. The other case was a med mal case.</p> <p>12 Q. And what was your role in that case?</p> <p>13 A. The defendant.</p> <p>14 Q. And what was -- what did that case</p> <p>15 involve?</p> <p>16 A. The nature of the case was a claim of delayed</p> <p>17 diagnosis.</p> <p>18 Do you need details of the facts?</p> <p>19 Q. What -- well, first of all, when approximately</p> <p>20 did this occur?</p> <p>21 A. 2007. And it involved an elderly woman with</p> <p>22 hematuria, and they claimed delayed diagnosis</p> <p>23 in advanced bladder cancer.</p> <p>24 Q. And what was the resolution of that case?</p>

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<p>1 A. It was settled.</p> <p>2 Q. Did that case involve a pelvic mesh at</p> <p>3 all?</p> <p>4 A. No.</p> <p>5 Q. Do you recall who the -- who any of the</p> <p>6 lawyers were who were involved in that case?</p> <p>7 A. It was a local law firm from Maine.</p> <p>8 Q. And that kind of leads into my next</p> <p>9 question.</p> <p>10 Have you ever been a party to a lawsuit</p> <p>11 before, other than that case?</p> <p>12 A. I was named in one, two -- two suits from my</p> <p>13 time during residency at Duke, and I was</p> <p>14 dropped from both of those without any sort</p> <p>15 of, you know, payment or settlement.</p> <p>16 And then I was a defendant in another</p> <p>17 case in Mississippi, and that is kind of</p> <p>18 ongoing, unfortunately.</p> <p>19 Q. Okay. What is the -- what's the case in</p> <p>20 Mississippi involve?</p> <p>21 A. The case in Mississippi was I was working at a</p> <p>22 planned parenthood-like clinic, and the</p> <p>23 patient claims that I improperly performed</p> <p>24 termination of pregnancy.</p>	<p>1 A. I have my report, and I have selected medical</p> <p>2 literature, and I think that Diana has my CV.</p> <p>3 MS. KATZ GERSTEL: And I'll just say for</p> <p>4 the record that we filed a response to this</p> <p>5 notice yesterday.</p> <p>6 MR. FAES: I know you did.</p> <p>7 BY MR. FAES:</p> <p>8 Q. Have you brought any bills or invoices for</p> <p>9 your work in this case?</p> <p>10 A. I have not, no.</p> <p>11 Q. Have you billed or invoiced any of your work</p> <p>12 in this case yet?</p> <p>13 A. When you say in this case, you mean for the</p> <p>14 production of the report or for various cases</p> <p>15 that I have reviewed?</p> <p>16 Q. I'm specifically talking about your invoices</p> <p>17 for the TVT and TVT-O general report that</p> <p>18 we're here today to discuss.</p> <p>19 A. I have, yes.</p> <p>20 Q. And approximately how many hours have you</p> <p>21 billed so far today?</p> <p>22 A. Geez --</p> <p>23 MS. KATZ GERSTEL: You know, can I just</p> <p>24 say that I actually brought invoices.</p>
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<p>1 And that case is sort of ongoing, or</p> <p>2 there's issues with the case that I -- I can't</p> <p>3 discuss; let's just say that.</p> <p>4 Q. Okay. When did the procedure that's the</p> <p>5 subject of the lawsuit take place?</p> <p>6 A. March of 2004 or -- I think it was March of</p> <p>7 2004.</p> <p>8 Q. Okay. I'm going to hand you what's been</p> <p>9 marked as Exhibit No. 1 to your deposition.</p> <p>10 (Deposition Exhibit No. 1 was marked for</p> <p>11 identification.)</p> <p>12 BY MR. FAES:</p> <p>13 Q. And that's the notice of your deposition here</p> <p>14 today.</p> <p>15 Have you ever seen that document before?</p> <p>16 A. (Examining document) I have not.</p> <p>17 Q. So you haven't had an opportunity to review</p> <p>18 any of the various document requests or -- and</p> <p>19 requests for production of documents that are</p> <p>20 attached to this notice?</p> <p>21 A. I -- I don't think I've seen a formal notice</p> <p>22 of my deposition today, no.</p> <p>23 Q. Have you brought any materials or items with</p> <p>24 you here today for this deposition?</p>	<p>1 MR. FAES: Okay.</p> <p>2 MS. KATZ GERSTEL: They're not</p> <p>3 broken down by TVT, TVT-O, but I have</p> <p>4 invoices.</p> <p>5 MR. FAES: Okay. I'm going to mark</p> <p>6 Exhibit 1-A to your deposition, and I am --</p> <p>7 for the record this is the invoices that</p> <p>8 counsel has brought with her to the deposition</p> <p>9 today.</p> <p>10 (Deposition Exhibit No. 1-A was marked</p> <p>11 for identification.)</p> <p>12 BY MR. FAES:</p> <p>13 Q. Doctor, do these represent the various</p> <p>14 invoices that you've submitted for your work</p> <p>15 as a litigation consultant with Ethicon and</p> <p>16 Johnson &amp; Johnson regarding the pelvic mesh?</p> <p>17 A. (Examining document) I mean, they're not the</p> <p>18 exact bills I submitted, but I guess it's --</p> <p>19 it's a distillation of those bills. The</p> <p>20 numbers look right.</p> <p>21 Q. So, for example, the very first page of</p> <p>22 Exhibit No. 1-A, is that an invoice</p> <p>23 actually prepared by you, or is that not an</p> <p>24 invoice prepared by you?</p>

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<p>1 A. (Examining document) Well, it's -- it's not</p> <p>2 the actual -- I didn't actually type this, so</p> <p>3 it wasn't prepared by me. But I have prepared</p> <p>4 a bill that was e-mailed to Diana, and this</p> <p>5 appears to be a distillation of that.</p> <p>6 Q. So do you know who prepared the invoice or the</p> <p>7 page 1 of Exhibit 1-A?</p> <p>8 A. I -- I don't.</p> <p>9 Q. It's not something that was prepared by you</p> <p>10 though, right?</p> <p>11 A. Not by me, but it's an accurate representation</p> <p>12 of one of the bills that I submitted to Diana.</p> <p>13 MR. FAES: Okay. Just for the record,</p> <p>14 we requested that we be provided with</p> <p>15 all of the actual bills he has submitted in</p> <p>16 this case.</p> <p>17 BY MR. FAES:</p> <p>18 Q. Doctor, I've only had a brief second to go</p> <p>19 through the invoices and payments marked as</p> <p>20 Exhibit 1-A.</p> <p>21 But does it appear accurate that so far</p> <p>22 you've been paid -- or at least you billed</p> <p>23 over \$125,000 for your work as a litigation</p> <p>24 consultant with Ethicon and Johnson &amp; Johnson?</p>	<p>1 conversation with Diana, met with her in</p> <p>2 Boston in May of 2016. I think that's about</p> <p>3 right. And then we had a three-hour</p> <p>4 conversation, meeting in Boston; then she told</p> <p>5 me what my deadlines were, which were pretty</p> <p>6 quick.</p> <p>7 Q. Prior to becoming involved in this litigation</p> <p>8 as an expert witness for Ethicon and</p> <p>9 Johnson &amp; Johnson, have you ever been an</p> <p>10 expert witness in any kind of case before?</p> <p>11 A. Not for mesh cases, no. I've done a little</p> <p>12 bit of case reviews for one of the local law</p> <p>13 firms here in Portland, but they weren't --</p> <p>14 they weren't mesh litigation cases. And the</p> <p>15 cases didn't proceed to the point where I was</p> <p>16 deposed. I reviewed the cases, wrote a</p> <p>17 report.</p> <p>18 Q. And what kind of case reviews did you do for</p> <p>19 the local firm in Portland?</p> <p>20 A. They're both -- one was a med mal case. The</p> <p>21 other was a patient complaint to the medical</p> <p>22 board about this particular surgeon, and the</p> <p>23 attorney wanted me to review the case, look at</p> <p>24 the merits of the case.</p>
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<p>1 A. That's -- I think that's fair.</p> <p>2 Q. When were you first approached to be a</p> <p>3 litigation consultant regarding the TVT and</p> <p>4 the TVT-O products?</p> <p>5 A. It was with -- had to be late 2014 or 2015.</p> <p>6 It was a different attorney who worked for a</p> <p>7 different firm who is no longer with, I guess,</p> <p>8 Butler Snow.</p> <p>9 MS. KATZ GERSTEL: Doug DiPaola.</p> <p>10 THE WITNESS: Yeah.</p> <p>11 A. I think I was contacted by him in late 2014 or</p> <p>12 2015 and signed an agreement at that point. I</p> <p>13 had maybe one phone conversation with him and</p> <p>14 one meeting with him, and then there was a</p> <p>15 time that went by and nothing was happening.</p> <p>16 And then I was recontacted by Diana.</p> <p>17 BY MR. FAES:</p> <p>18 Q. So you were first approached about potentially</p> <p>19 being a witness in late 2014 and 2015, and</p> <p>20 signed an agreement at that time, correct?</p> <p>21 A. Yes.</p> <p>22 Q. When did you actually start work on the TVT</p> <p>23 and TVT-O General Expert Report?</p> <p>24 A. Let's see, I met with -- I had a phone</p>	<p>1 Q. So essentially your job in those cases</p> <p>2 was to review medical records and write a</p> <p>3 report?</p> <p>4 A. Yes.</p> <p>5 Q. And what time frame did your -- did</p> <p>6 this case review for the local law firms in</p> <p>7 Portland take place?</p> <p>8 A. I think one was probably in 2008. One was in</p> <p>9 2009.</p> <p>10 I'm actually in the middle of one, a</p> <p>11 third, currently, that I will probably be</p> <p>12 deposed on at some point, and that is -- it's</p> <p>13 sort of a quasi-mesh case. It's more of --</p> <p>14 the accusation against the implanter was</p> <p>15 inadequate informed consent for the mesh.</p> <p>16 Q. And what kind of a mesh was involved in that</p> <p>17 case?</p> <p>18 A. It was an AMS product.</p> <p>19 Q. What kind of AMS product?</p> <p>20 A. It was the Apogee.</p> <p>21 Q. And when was that implant -- when was the</p> <p>22 Apogee implanted in that case?</p> <p>23 A. I think it might have been 2009, 2010.</p> <p>24 Q. And that's ongoing, and you haven't</p>

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<p>1 issued a report in that case yet, right?</p> <p>2 A. What's interesting for that, I met with the</p> <p>3 attorney a couple of times. We -- I read</p> <p>4 through all the records. We had a</p> <p>5 conversation. He actually generated the</p> <p>6 report. I think in Maine they don't require</p> <p>7 experts to necessarily generate a report, and</p> <p>8 so that's -- that's ongoing, so I've yet to be</p> <p>9 deposed in that matter.</p> <p>10 Q. So am I correct that you've done approximately</p> <p>11 three case reviews for the same --</p> <p>12 A. For the same firm.</p> <p>13 Q. -- the same Portland firm?</p> <p>14 What firm is that?</p> <p>15 A. Oh, it's -- you guys always have so many names</p> <p>16 in your firms. I -- I'm blanking out on the</p> <p>17 name of the firm. It's, you know, a gazillion</p> <p>18 different last names of the firm.</p> <p>19 Q. And of those -- and those three case reviews,</p> <p>20 was your role to write a report for the</p> <p>21 plaintiff or the defendant in those</p> <p>22 cases?</p> <p>23 A. The attorneys were all representing the</p> <p>24 defendant. I mean, again, one of the cases</p>	<p>1 to issue one expert report for both the TVT</p> <p>2 and TVT-O, as opposed to doing a separate</p> <p>3 report for the TVT and a separate report for</p> <p>4 the TVT-O?</p> <p>5 A. No particular reason.</p> <p>6 Q. Do you feel that the TVT and the TVT-O have</p> <p>7 identical safety profiles?</p> <p>8 A. I think that they do have identical safety</p> <p>9 profiles, but I think that some of the</p> <p>10 complications from the TVT and TVT-O are a</p> <p>11 little different based on the nature of the</p> <p>12 passage of the -- the mesh material, but I</p> <p>13 think that they're both very safe.</p> <p>14 Q. So you'd agree then that the TVT and TVT-O</p> <p>15 have different complication rates with regard</p> <p>16 to certain complications, right?</p> <p>17 A. They have -- yes, I would agree that they have</p> <p>18 different complication rates in regards to</p> <p>19 certain complications, yes.</p> <p>20 Q. And despite knowing that they had these</p> <p>21 different complication rates with regard to</p> <p>22 certain complications, you still felt it was</p> <p>23 appropriate to combine all of your opinions</p> <p>24 regarding both those products in a single</p>
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<p>1 was not -- she wasn't being sued. It was just</p> <p>2 that that law firm handles complaints to the</p> <p>3 medical board. So she wasn't -- it wasn't a</p> <p>4 suit. But the other two -- actually, the</p> <p>5 other two cases involved the same physician,</p> <p>6 and I was working on -- on his defense.</p> <p>7 Q. So of all the cases where you've been an</p> <p>8 expert witness in litigation, it's always been</p> <p>9 for the defendant; is that accurate?</p> <p>10 A. Correct.</p> <p>11 Q. I'm going to hand you what's been marked as</p> <p>12 Exhibit No. 2 to your deposition, if you need</p> <p>13 it. I understand you already have a copy</p> <p>14 of it.</p> <p>15 (Deposition Exhibit No. 2 was marked for</p> <p>16 identification.)</p> <p>17 BY MR. FAES:</p> <p>18 Q. Is this the TVT and TVT-O expert report that</p> <p>19 you issued in this case?</p> <p>20 A. (Examining document) Yes.</p> <p>21 Q. And this report covers both the TVT and the</p> <p>22 TVT-O, correct?</p> <p>23 A. Correct.</p> <p>24 Q. Is there any particular reason why you chose</p>	<p>1 report?</p> <p>2 MS. KATZ GERSTEL: Object to form.</p> <p>3 A. You know, again, I think they're sort of</p> <p>4 variations of a sling technique. I think it</p> <p>5 was pretty reasonable to combine them into one</p> <p>6 report. A lot of the data, you know, compares</p> <p>7 both the retropubic and the transobturator</p> <p>8 techniques. The mesh is essentially the same.</p> <p>9 I didn't see a need to have separate reports.</p> <p>10 BY MR. FAES:</p> <p>11 Q. Do you believe that the TVT and TVT-O have</p> <p>12 identical efficacy profiles?</p> <p>13 MS. KATZ GERSTEL: Object to form.</p> <p>14 A. We have slightly longer term data for the</p> <p>15 retropubic TVT than for the TVT-O. Again,</p> <p>16 depending upon what study you read, what</p> <p>17 meta-analysis you read, I think that most of</p> <p>18 us would say that the efficacy is relatively</p> <p>19 equivalent.</p> <p>20 BY MR. FAES:</p> <p>21 Q. So you believe that the efficacy profile of</p> <p>22 the TVT versus the TVT-O is relatively</p> <p>23 equivalent but not equivalent?</p> <p>24 MS. KATZ GERSTEL: Object to form.</p>

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<p>1 A. They're not exactly the same.</p> <p>2 BY MR. FAES:</p> <p>3 Q. Okay. And despite having the opinion that the</p> <p>4 efficacy profile between the TVT and the TVT-O</p> <p>5 is not exactly the same, you still felt it was</p> <p>6 appropriate to combine your opinions for both</p> <p>7 those products in a single report; is that</p> <p>8 accurate?</p> <p>9 MS. KATZ GERSTEL: Object to form.</p> <p>10 A. I -- I really didn't feel the need to write</p> <p>11 separate reports on the TVT and the TVT-O.</p> <p>12 BY MR. FAES:</p> <p>13 Q. Now, are you -- with regard to the TVT, are</p> <p>14 you offering opinions as to the safety and</p> <p>15 efficacy of both the mechanically-cut TVT and</p> <p>16 the laser-cut TVT?</p> <p>17 A. I can offer opinions on both. I can tell you</p> <p>18 that in my practice, I use the</p> <p>19 mechanically-cut TVT.</p> <p>20 Q. And you understand that the mechanically-cut</p> <p>21 and the laser-cut TVT are two distinct</p> <p>22 different products, correct?</p> <p>23 MS. KATZ GERSTEL: Object.</p> <p>24 A. I know that the manufacturing basis for those</p>	<p>1 recall a single article comparing the two in</p> <p>2 terms of efficacy or safety profile.</p> <p>3 BY MR. FAES:</p> <p>4 Q. So is it going to be in your opinion -- strike</p> <p>5 that.</p> <p>6 Do you intend to offer an opinion in this</p> <p>7 case to a reasonable degree of medical</p> <p>8 certainty that the safety profile between the</p> <p>9 mechanically-cut TVT retropubic and the</p> <p>10 laser-cut TVT retropubic are identical?</p> <p>11 A. Yes.</p> <p>12 Q. And what is the -- what is the basis for that</p> <p>13 opinion?</p> <p>14 A. Well, it's -- it's not based on the medical</p> <p>15 literature, because I -- again, I can't</p> <p>16 find -- I don't recall seeing a randomized</p> <p>17 controlled trial looking at laser-cut versus</p> <p>18 mechanically-cut mesh. However, I've used</p> <p>19 both products and followed patients, you know,</p> <p>20 out, and I've seen no difference in efficacy</p> <p>21 or adverse events with either product.</p> <p>22 Q. So you'd agree that your opinion that the</p> <p>23 efficacy rate for the TVT mechanically-cut --</p> <p>24 strike that.</p>
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<p>1 products is -- is obviously different, and I</p> <p>2 know that the -- there's labeling on the box</p> <p>3 that is different that distinguishes laser-cut</p> <p>4 from mechanically-cut. I think there's an L</p> <p>5 on the laser-cut box.</p> <p>6 The -- the handling characteristics in my</p> <p>7 hands are very similar between the two</p> <p>8 products, but I -- I would agree with you that</p> <p>9 they're two slightly different products.</p> <p>10 BY MR. FAES:</p> <p>11 Q. So knowing that the TVT and the -- strike</p> <p>12 that.</p> <p>13 Knowing that the mechanically-cut TVT and</p> <p>14 the laser-cut TVT are two distinctly different</p> <p>15 products with two distinct different order</p> <p>16 codes and identifiers, do you feel that the</p> <p>17 safety profile for the mechanically-cut TVT is</p> <p>18 identical to the safety profile for the</p> <p>19 laser-cut TVT?</p> <p>20 MS. KATZ GERSTEL: Object to form.</p> <p>21 A. I'm not aware of any difference in efficacy or</p> <p>22 any difference in the safety profile between</p> <p>23 the laser-cut and the mechanically-cut TVT</p> <p>24 products. I can't recall a single -- I can't</p>	<p>1 You'd agree that your opinion that the</p> <p>2 safety profile for the TVT mechanically-cut</p> <p>3 and the laser -- TVT laser-cut is identical</p> <p>4 can't be based on the medical literature</p> <p>5 because there's been no randomized controlled</p> <p>6 trial specifically comparing the safety</p> <p>7 profile of the TVT retropubic mechanically-cut</p> <p>8 versus the TVT retropubic laser-cut, correct?</p> <p>9 MS. KATZ GERSTEL: Object to form.</p> <p>10 A. That's a very long question.</p> <p>11 BY MR. FAES:</p> <p>12 Q. It is.</p> <p>13 A. I -- I can tell you that in my experience,</p> <p>14 I've seen really no difference in the handling</p> <p>15 characteristics or in efficacy or in adverse</p> <p>16 events with the two different products.</p> <p>17 Can I say that the efficacy is the same</p> <p>18 in my hands? Yes.</p> <p>19 Globally, I can't make a comment on that.</p> <p>20 Q. So your opinion that the safety profile of the</p> <p>21 TVT retropubic laser-cut and the TVT</p> <p>22 retropubic mechanically-cut are identical is</p> <p>23 based on your personal experience, not your</p> <p>24 review of the medical literature; is that</p>

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<p>1 accurate?</p> <p>2 MS. KATZ GERSTEL: Object to form.</p> <p>3 A. Well, my review of the medical literature --</p> <p>4 in my review of the medical literature, I</p> <p>5 don't see -- I haven't seen a comparison trial</p> <p>6 between the two products. So my opinion is</p> <p>7 based on my personal experience.</p> <p>8 BY MR. FAES:</p> <p>9 Q. So since your opinion in that regard is based</p> <p>10 on your personal experience, you'd agree that</p> <p>11 it's not based on any formal analysis</p> <p>12 that you've done, correct?</p> <p>13 MS. KATZ GERSTEL: Object to form.</p> <p>14 A. How do you define formal analysis?</p> <p>15 BY MR. FAES:</p> <p>16 Q. Well, I would define formal analysis as have</p> <p>17 you specifically analyzed a number of</p> <p>18 patients -- well, strike that.</p> <p>19 What would you define as a formal</p> <p>20 analysis?</p> <p>21 A. I guess I'm the one who is supposed to answer</p> <p>22 the questions today.</p> <p>23 I've -- I've gone back and done a</p> <p>24 retrospective review of my patients who have</p>	<p>1 But, no, I don't think that we made a</p> <p>2 specific comment as to my personal experience</p> <p>3 with laser-cut versus mechanically-cut, mostly</p> <p>4 because I don't really distinguish between the</p> <p>5 two in terms of handling characteristics,</p> <p>6 efficacy or safety.</p> <p>7 Q. So this retrospective review that you did of</p> <p>8 mechanically-cut TVT versus laser-cut TVT, how</p> <p>9 many patients were involved?</p> <p>10 A. It was probably at least a hundred.</p> <p>11 Q. How many of those patients were -- well, let</p> <p>12 me follow up on that, so strike that.</p> <p>13 Is it almost -- I mean, what -- do you</p> <p>14 know the exact number as you sit here today?</p> <p>15 A. I mean, I could -- I could certainly get back</p> <p>16 to you on that, but I think it's a hundred</p> <p>17 patients. I probably looked at 50 and 50,</p> <p>18 just pulled them, you know, from the medical</p> <p>19 record and then referenced the implant log at</p> <p>20 the hospital.</p> <p>21 Q. And so you've kind of anticipated my next</p> <p>22 question.</p> <p>23 How many of these patients were</p> <p>24 laser-cut, and how many of them were</p>
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<p>1 had laser-cut versus mechanically-cut TVTs,</p> <p>2 and I guess I'm sort of privileged in that I</p> <p>3 live in Maine and it's a small state and</p> <p>4 people tend not to, you know, leave the state</p> <p>5 or -- and they tend to come back to doctors</p> <p>6 who've implanted them. So I've had an</p> <p>7 opportunity to follow these patients out for</p> <p>8 several years, and I've not seen any</p> <p>9 difference in efficacy or any adverse events</p> <p>10 with the two different products.</p> <p>11 Q. So your opinion that the safety profile</p> <p>12 between the mechanically-cut and the laser-cut</p> <p>13 TVT retropubic is based on your retrospective</p> <p>14 review of your own patients?</p> <p>15 A. Of my own patients, yes.</p> <p>16 Q. And is any of your analysis regarding your</p> <p>17 retrospective review of your patients</p> <p>18 disclosed anywhere in your expert report?</p> <p>19 A. I don't think that I made a specific comment</p> <p>20 about my own experience with laser-cut versus</p> <p>21 mechanically-cut.</p> <p>22 Again, I'm using mechanically-cut mesh at</p> <p>23 this point mostly because I think of a cost</p> <p>24 issue of my facility.</p>	<p>1 mechanically-cut?</p> <p>2 A. I mean, it's just a personal retrospective</p> <p>3 review. It's not published. But, you know, I</p> <p>4 was curious as to know whether there was any</p> <p>5 sort of differences between the two products.</p> <p>6 So I just, you know, looked at my experience</p> <p>7 with them and pulled 50 charts, you know,</p> <p>8 randomly from each, the laser-cut and</p> <p>9 mechanically-cut groups, and sort of looked</p> <p>10 through their records, the electronic medical</p> <p>11 record. Really no differences between --</p> <p>12 between the two groups.</p> <p>13 Q. And what was the average length of follow-up</p> <p>14 between the two groups?</p> <p>15 A. The follow-up was anywhere from two to four</p> <p>16 years, I think.</p> <p>17 Q. You think? Have you done any kind of write-up</p> <p>18 or written analysis?</p> <p>19 A. No. It's not -- it's not published. I didn't</p> <p>20 write it up. I just sort of, you know, sat at</p> <p>21 the computer and pulled charts and pulled out</p> <p>22 the implant logs and sort of looked at this.</p> <p>23 Q. Do you know what percentage of patients had</p> <p>24 been lost to follow-up?</p>

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<p>1 A. No, I don't. I mean, it wasn't -- again, it 2 wasn't something I was trying to publish, so 3 it wasn't a very rigorous analysis. 4 MR. FAES: So I would just state to 5 counsel that if Dr. Roth is going to base his 6 opinion based on this chart review, we would 7 request to be provided with the basis for his 8 opinions. 9 BY MR. FAES: 10 Q. Doctor, I just want to follow up briefly on 11 something that you said regarding the TVT 12 retropubic device. 13 You said that you're mainly using the TVT 14 retropubic mechanically-cut mesh right now 15 because of a cost issue; did I hear that 16 correctly? 17 A. Yes. 18 Q. What cost issue are you referring to 19 specifically? 20 A. My understanding is that the TVT-Exact is a 21 bit more expensive, at least at our facility, 22 than the older TVT retropubic. 23 Q. So you know that the TVT-Exact is offered in 24 laser-cut mesh only; it's not offered --</p>	<p>1 mechanically-cut, why did you say that you 2 were primarily using the mechanically-cut mesh 3 TVT-R right now because of a cost issue? 4 A. I'm sorry. I missed the -- can you repeat 5 that? 6 Q. Sure. I guess I'm a little confused, Doctor. 7 You first said that you were using the 8 mechanically-cut mesh TVT-R because of a cost 9 issue, but then you said that you wouldn't 10 necessarily switch to the TVT-Exact, which is 11 a laser-cut, if it were the same price as the 12 TVT retropubic mechanically-cut. So why did 13 you say -- 14 A. So you're asking -- you're asking why -- I'm 15 sorry to interrupt. You're asking why I favor 16 the retropubic TVT versus the TVT-Exact? 17 Q. No, I'm not. I'm asking why did you say -- 18 why did you state earlier that you were 19 primarily using the mechanically-cut mesh TVT 20 retropubic because of a cost issue? 21 MS. KATZ GERSTEL: Object. 22 A. I still think that you're asking why I would 23 favor the regular retropubic TVT if it were 24 the same cost as the laser-cut Exact, and I</p>
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<p>1 A. Correct. 2 Q. -- with a mechanically-cut mesh option, 3 correct? 4 A. Correct. 5 Q. What about the -- just the regular TVT 6 retropubic laser-cut; is there some reason why 7 you don't use that as opposed to the 8 mechanically-cut TVT retropubic? 9 A. I think we've, you know, we've had the 10 mechanically-cut. I don't know the specifics 11 of the contract pricing, but I've been told, 12 you know, to try to limit costs, and we've 13 continued to use the mechanically-cut TVT 14 retropubic. 15 And I've continued to use the TVT-O, 16 which is mostly mechanically-cut, as well, as 17 opposed to the Abbrevio. 18 Q. If the TVT-Exact device were the same price as 19 the TVT mechanically-cut retropubic device 20 that you use currently, would you switch to 21 the TVT-Exact device? 22 A. Not necessarily. 23 Q. So if you wouldn't switch to the TVT-Exact 24 device if it was the same price as the TVT-R</p>	<p>1 would favor the regular TVT because I actually 2 favor the handles more so and the trocars more 3 than the TVT-Exact. 4 BY MR. FAES: 5 Q. So you'd agree then it's not necessarily the 6 mesh in the TVT retropubic mechanically-cut 7 that you favor over the TVT-Exact? 8 A. I would agree that -- well, for one there is 9 the cost issue, but the other is I'm pretty 10 comfortable with the original trocar passage 11 and the handles. So I favor that product over 12 the Exact. 13 Q. Do you believe that the safety profile for the 14 TVT-O mechanically-cut mesh is identical to 15 the safety profile for the TVT laser -- strike 16 that. 17 Do you believe that the safety profile 18 for the TVT-O mechanically-cut mesh is 19 identical to the safety profile for the TVT-O 20 laser-cut mesh? 21 A. Again, I don't think that I've seen scientific 22 literature to say that -- that there's a 23 difference or that there is not a difference. 24 I've always used the mechanically-cut TVT-O.</p>

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<p>1 I've used the Abbrevio a handful of times. I</p> <p>2 have not seen a difference between laser-cut</p> <p>3 and mechanically-cut transobturators passage of</p> <p>4 the mesh.</p> <p>5 Q. But again, you'd agree that with regard to the</p> <p>6 TVT-O, there's been no randomized controlled</p> <p>7 study specifically looking at the safety</p> <p>8 profile of the TVT-O mechanically-cut mesh to</p> <p>9 the TVT-O laser-cut mesh, correct?</p> <p>10 A. To the best of my recollection, I've not found</p> <p>11 a randomized controlled trial to -- that</p> <p>12 compares the two, no.</p> <p>13 Q. So again, like the TVT, your opinion that</p> <p>14 the safety profile of the TVT-O</p> <p>15 mechanically-cut is identical to the TVT-O</p> <p>16 laser-cut is based on your personal</p> <p>17 experience?</p> <p>18 MS. KATZ GERSTEL: Objection.</p> <p>19 A. Again, I don't know that I can say that they</p> <p>20 are equivalent. I have more experience with</p> <p>21 the mechanically-cut TVT-O than with the</p> <p>22 Abbrevio, even though I was -- you know, I had</p> <p>23 used the Abbrevio, and was a proctor for the</p> <p>24 Abbrevio. I haven't seen any sort of clinical</p>	<p>1 specifically talking about the TVT-O, not</p> <p>2 the -- I'm not including the Abbrevio.</p> <p>3 A. I see. Okay.</p> <p>4 Q. You understand that?</p> <p>5 A. Okay. So, no, I mean, I -- I haven't, you</p> <p>6 know, sort of gone back and looked at any of</p> <p>7 that. I've been very happy with the</p> <p>8 mechanically-cut TVT-O product.</p> <p>9 Q. Do you know how many -- excluding the Abbrevio,</p> <p>10 do you know how many -- approximately how many</p> <p>11 TVT-O laser-cut products you've used during</p> <p>12 the course of your career as opposed to TVT-O</p> <p>13 mechanically-cut?</p> <p>14 A. I don't.</p> <p>15 I think at one point the rep from the</p> <p>16 company brought in the laser-cut TVT-Os to</p> <p>17 try. This is years ago. He's no longer my</p> <p>18 rep. And my recollection is that it was --</p> <p>19 they were more expensive than the</p> <p>20 mechanically-cut TVT-O. They handled</p> <p>21 similarly, so I just stuck with the</p> <p>22 mechanically-cut TVT-O.</p> <p>23 Q. So do you recall what rep it was that first</p> <p>24 brought in the TVT-O laser-cut mesh for you to</p>
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<p>1 difference in the patients that I've, you</p> <p>2 know, taken care of.</p> <p>3 BY MR. FAES:</p> <p>4 Q. Have you done a retrospective review of the</p> <p>5 TVT-O like you have for the TVT product?</p> <p>6 A. I haven't.</p> <p>7 Q. Have you done any kind of formal analysis with</p> <p>8 regard to the safety profile of the TVT-O</p> <p>9 mechanically-cut versus laser-cut mesh in your</p> <p>10 own patients like you have for the TVT</p> <p>11 product?</p> <p>12 A. No. The -- the Abbrevio -- again, it's another</p> <p>13 sort of cost issue. The Abbrevio is</p> <p>14 significantly more expensive than the regular</p> <p>15 TVT-O, and I also prefer how the original</p> <p>16 TVT-O handles versus the Abbrevio.</p> <p>17 So I've -- I don't think I have enough</p> <p>18 patients to really sort of come up with a</p> <p>19 Gestalt as to safety and efficacy because I</p> <p>20 just -- my preference is just to use the TVT-O</p> <p>21 mechanically-cut.</p> <p>22 Q. Well, you understand that when I'm asking</p> <p>23 about the differences between the TVT-O</p> <p>24 mechanically-cut and the TVT-O laser-cut, I'm</p>	<p>1 evaluate?</p> <p>2 A. That was probably Kendall Bremner.</p> <p>3 Q. When did that occur?</p> <p>4 A. I -- I really have no recollection. He hasn't</p> <p>5 been my rep for -- for many years.</p> <p>6 Q. And your recollection was after evaluating,</p> <p>7 that it -- the mesh of the TVT-O laser-cut</p> <p>8 handled similarly but handled a little bit</p> <p>9 differently than the TVT-O mechanically-cut;</p> <p>10 is that accurate?</p> <p>11 MS. KATZ GERSTEL: Object to form.</p> <p>12 A. I don't think it handled differently at all.</p> <p>13 I think it was sort of the cost issue again.</p> <p>14 They handled similarly, and it seemed like</p> <p>15 outcomes were the same when I followed those</p> <p>16 patients out. So there wasn't really a reason</p> <p>17 to switch or to change, especially when it was</p> <p>18 a little more expensive.</p> <p>19 BY MR. FAES:</p> <p>20 Q. Well, you keep saying that they handled</p> <p>21 similarly, correct?</p> <p>22 A. Intraoperatively, yes.</p> <p>23 Q. You'd agree that similarly is not the same as</p> <p>24 identically, right?</p>

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<p style="text-align: right;">Page 34</p> <p>1 A. Then I would say that they handled 2 identically. 3 Q. So you're changing your testimony to state 4 that you believe the TVT-O laser-cut mesh and 5 the TVT mechanically-cut mesh handled 6 identically; is that accurate? 7 MS. KATZ GERSTEL: Objection. 8 Argumentative. 9 A. The -- in my hands -- and again, this has been 10 years since I've used the laser-cut TVT-O. I 11 don't know that I -- it's hard for me to sort 12 of distinguish between, you know, similarly 13 and identically. Identically is very strong, 14 you know, language. You know, things that are 15 identical are exactly identical, and I don't 16 know that, you know, every sling case that I 17 do is identical and every way that I put a 18 sling in is identical. I put a sling in 19 someone in a similar fashion to putting a 20 sling in someone else. The way I tension 21 slings is similar, but it's not always 22 identical. So it's hard for me to say that 23 they handle identically. 24 Q. Fair enough, Doctor.</p>	<p style="text-align: right;">Page 36</p> <p>1 the TVT line of products, both laser-cut and 2 mechanically-cut. 3 BY MR. FAES: 4 Q. So you're prepared to offer opinions regarding 5 the entire TVT line of products now, including 6 the Abbrevio, the Secur and the TVT-Exact? 7 MS. KATZ GERSTEL: Objection. 8 A. Well, I wouldn't say the TVT-Secur, although I 9 have a sense of experience with that. We're 10 talking about the TVT and the TVT-O. 11 The fact that they're boxed differently, 12 the fact that there's an L on the laser-cut 13 box versus the mechanically-cut box, the fact 14 that, you know, J &amp; J makes a distinction 15 between the products, clinically they have 16 similar efficacy and handling characteristics 17 and safety profiles. So I'm prepared to offer 18 opinions about TVT and TVT-O laser-cut and 19 mechanically-cut. 20 BY MR. FAES: 21 Q. But just to be clear for the record, you're -- 22 you are offering opinions regarding four 23 distinctly different products with four 24 distinct order codes, correct?</p>
<p style="text-align: right;">Page 35</p> <p>1 Now, on your report, again, it's combined 2 with TVT and TVT-O, and I think we've 3 established that you do intend to offer 4 opinions with regard to both the laser-cut and 5 the mechanically-cut configurations for both 6 of those products, correct? 7 A. Yes. 8 Q. Is there any reason why on the title of this 9 report you didn't state that your general 10 report was for TVT-O mechanically-cut, TVT-O 11 laser-cut, TVT-O mechanically-cut and TVT-O 12 laser-cut as opposed to just TVT and TVT-O? 13 MS. KATZ GERSTEL: Objection. 14 A. I didn't realize the title needed to be all 15 that detailed, I guess. 16 BY MR. FAES: 17 Q. But you'd agree that this expert report that 18 you are offering opinions on, that you are 19 offering opinions on four distinctly different 20 products with distinctly different order codes 21 all within the same report, correct? 22 MS. KATZ GERSTEL: Objection. 23 Mischaracterization. 24 A. I mean, I'm prepared to offer opinions about</p>	<p style="text-align: right;">Page 37</p> <p>1 MS. KATZ GERSTEL: Objection. 2 A. Again, I'm -- I'm not subject or familiar with 3 the order codes or all of that. I know that 4 the laser-cut products have L on the box. We 5 are talking about laser-cut TVT versus 6 mechanically-cut TVT and TVT-O 7 mechanically-cut and TVT-O laser-cut, and I'm 8 prepared to offer opinions about those. 9 BY MR. FAES: 10 Q. Are you offering an opinion in this case 11 regarding the TVT clear mesh and also the TVT 12 blue mesh? 13 A. I mean, I don't really distinguish between the 14 original TVT, which was not blue, and 15 subsequent iterations of the TVT, which were 16 then made blue, so yes. 17 Q. So you feel that the safety profile of the TVT 18 clear mesh is identical to the safety profile 19 of the TVT blue mesh? 20 A. If you're referring to -- when you say clear 21 mesh, the TVT that was released before they 22 decided to dye it blue, then yes. 23 Q. Do you know whether Ethicon and Johnson &amp; 24 Johnson issued a report -- well, strike that.</p>

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<p>1 Let me back up.</p> <p>2 First of all, do you know when Ethicon</p> <p>3 and Johnson &amp; Johnson first started offering</p> <p>4 the TVT retropubic in a blue mesh as opposed</p> <p>5 to a clear mesh?</p> <p>6 A. I don't recall.</p> <p>7 Q. Do you know whether or not Ethicon and Johnson</p> <p>8 &amp; Johnson issued a report prior to releasing</p> <p>9 the TVT mesh in blue stating that -- or</p> <p>10 concluding that the change in the mesh from</p> <p>11 clear to blue represented a potential change</p> <p>12 that could affect the safety and efficacy of</p> <p>13 the device?</p> <p>14 MS. KATZ GERSTEL: Object to form.</p> <p>15 A. I'm -- I'm not aware of that communication.</p> <p>16 BY MR. FAES:</p> <p>17 Q. If assuming that to be true, that Ethicon</p> <p>18 and Johnson &amp; Johnson concluded that a</p> <p>19 change in the TVT mesh from clear to blue was</p> <p>20 a change that could affect the safety and</p> <p>21 efficacy of the device, would that change any</p> <p>22 of your opinions in this case as to whether or</p> <p>23 not the safety profile of the TVT and clear</p> <p>24 mesh is identical to the TVT blue mesh?</p>	<p>1 literature, you know, elaborating the</p> <p>2 difference between the clear and the blue mesh</p> <p>3 in terms of the safety, adverse events, or</p> <p>4 efficacy.</p> <p>5 BY MR. FAES:</p> <p>6 Q. So if you haven't seen any medical literature</p> <p>7 on that point, what are you basing your</p> <p>8 opinion on that the safety and efficacy of the</p> <p>9 TVT clear mesh and blue mesh is the same?</p> <p>10 MS. KATZ GERSTEL: Objection.</p> <p>11 A. My experience with the clear and the blue</p> <p>12 mesh.</p> <p>13 BY MR. FAES:</p> <p>14 Q. So you believe that you have personal</p> <p>15 experience with the TVT clear mesh?</p> <p>16 A. I seem to remember that the -- there were TVT</p> <p>17 with clear mesh early on, but again, it's --</p> <p>18 it's been years probably since I've seen clear</p> <p>19 TVT mesh. Maybe 2003, 2004 the mesh was</p> <p>20 clear, but I -- it's been a long time.</p> <p>21 Q. Have you ever seen a TVT-O clear mesh, or has</p> <p>22 that mesh always been blue when you've used</p> <p>23 it?</p> <p>24 A. I think that mesh has always been blue.</p>
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<p>1 MS. KATZ GERSTEL: Object to form.</p> <p>2 A. I guess I'd have to find some medical</p> <p>3 literature to, you know, support a difference</p> <p>4 in the clear mesh versus the blue mesh.</p> <p>5 BY MR. FAES:</p> <p>6 Q. But you'd agree, at least as to this point,</p> <p>7 you haven't specifically looked at the</p> <p>8 literature with regard to the question of</p> <p>9 whether the safety profile of the TVT clear</p> <p>10 mesh is different from the safety profile of</p> <p>11 the TVT blue mesh, correct?</p> <p>12 MS. KATZ GERSTEL: Object to form.</p> <p>13 A. I'm not aware of scientific literature</p> <p>14 differentiating between the clear mesh and the</p> <p>15 blue mesh in terms of safety, efficacy,</p> <p>16 adverse events.</p> <p>17 BY MR. FAES:</p> <p>18 Q. But my question is, have you, as an expert for</p> <p>19 Ethicon and Johnson &amp; Johnson, specifically</p> <p>20 looked at that question?</p> <p>21 MS. KATZ GERSTEL: Objection.</p> <p>22 A. I've looked at the medical literature, and</p> <p>23 I -- to the best of my knowledge, I've not</p> <p>24 seen medical literature, scientific</p>	<p>1 Q. Okay. The expert report that's in front of</p> <p>2 you as -- in front of you marked as Exhibit</p> <p>3 No. 2, how much time would you say you spent</p> <p>4 actually writing that report as opposed to</p> <p>5 reviewing materials?</p> <p>6 A. Hard to say. I mean, I would be reviewing and</p> <p>7 writing and then we were, you know, doing a</p> <p>8 lot of editing, as well. Maybe 25 hours,</p> <p>9 30 hours of writing and editing and -- as</p> <p>10 opposed to just pure, you know, reading and</p> <p>11 reviewing written materials for the report.</p> <p>12 Q. And how many hours would you say that you</p> <p>13 spent in reviewing materials for your report?</p> <p>14 A. You know, I would say at least 50 hours.</p> <p>15 There were scads of articles, you know, to --</p> <p>16 to review.</p> <p>17 Q. How much time did you spend preparing</p> <p>18 for your deposition today?</p> <p>19 A. Fifteen hours maybe.</p> <p>20 Q. And that 15 hours would be at your preparation</p> <p>21 rate of \$600 an hour; is that accurate?</p> <p>22 A. Yes.</p> <p>23 Q. And have you billed for that time yet?</p> <p>24 A. I have not.</p>

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<p>1 Q. Okay. So that time is not included in the</p> <p>2 exhibit marked as 1-A that's in front of you,</p> <p>3 correct?</p> <p>4 A. No.</p> <p>5 Q. Is the expert report marked as Exhibit No. 2</p> <p>6 in front of you, does that contain a complete</p> <p>7 and accurate reflection of all the opinions</p> <p>8 that you intend to offer in this case?</p> <p>9 A. In regards to TVT and TVT-O, yes.</p> <p>10 Q. Doctor, I'm going to hand you what's been</p> <p>11 marked as Exhibit No. 3 to your deposition.</p> <p>12 (Deposition Exhibit No. 3 was marked for</p> <p>13 identification.)</p> <p>14 BY MR. FAES:</p> <p>15 Q. And can you tell me what Exhibit No. 3 is?</p> <p>16 A. This is the General Reliance List.</p> <p>17 MR. FAES: And I'm just going to ask</p> <p>18 counsel, because in the flurry of all the</p> <p>19 supplemental reliance lists -- is this his</p> <p>20 most updated one, or was there a supplemental</p> <p>21 one that I haven't got?</p> <p>22 MS. KATZ GERSTEL: Supplemental.</p> <p>23 MR. FAES: There is a supplemental one</p> <p>24 that I have got.</p>	<p>1 to focus on my own opinions. But the</p> <p>2 bibliography here, the list of articles, is</p> <p>3 consistent with what I've used to generate my</p> <p>4 reports.</p> <p>5 Q. What -- which of the expert reports on the</p> <p>6 back page have you not reviewed?</p> <p>7 A. I didn't -- I haven't reviewed Jerry Blaivas's</p> <p>8 TVT-O report. I've reviewed some of</p> <p>9 Rosenzweig's reports when I first started</p> <p>10 generating my report. I did not review Bob</p> <p>11 Shull's Prolift report. I don't think that I</p> <p>12 reviewed Margolis's TVT-O report or Elliott's</p> <p>13 reports.</p> <p>14 Q. You don't think you've reviewed any of</p> <p>15 Dr. Elliott's reports --</p> <p>16 A. No.</p> <p>17 Q. -- that deal with the TVT, TVT General --</p> <p>18 A. No.</p> <p>19 Q. -- or the TVT-O Gen?</p> <p>20 A. No.</p> <p>21 Q. Who prepared the document in front of you</p> <p>22 marked as Exhibit 3-A, which is titled</p> <p>23 Supplemental General Reliance List?</p> <p>24 A. I mean, some of this is, you know, the medical</p>
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<p>1 Do you mind if I mark this?</p> <p>2 MS. KATZ GERSTEL: No, go ahead. It's</p> <p>3 your copy.</p> <p>4 MR. FAES: Oh, it's for me.</p> <p>5 Does he have one for him that I can mark?</p> <p>6 MS. KATZ GERSTEL: Mm-hmm.</p> <p>7 MR. FAES: Doctor, what's your first</p> <p>8 reliance list marked at? I forget.</p> <p>9 THE WITNESS: This is 3.</p> <p>10 MR. FAES: Three? So I'll mark your</p> <p>11 supplemental reliance list as Exhibit 3-A.</p> <p>12 (Deposition Exhibit No. 3-A was marked</p> <p>13 for identification.)</p> <p>14 MR. FAES: Might as well just throw that</p> <p>15 out.</p> <p>16 BY MR. FAES:</p> <p>17 Q. Doctor, is Exhibit 3-A a comprehensive list of</p> <p>18 all of the materials you've reviewed and</p> <p>19 relied upon in forming your opinions in this</p> <p>20 case?</p> <p>21 A. I mean, there are a few things on here that I</p> <p>22 did not specifically review, but I really</p> <p>23 didn't read a lot of some of the expert</p> <p>24 reports on the back of the list. I was trying</p>	<p>1 literature from my reports, and so part of it</p> <p>2 I've -- I've helped prepare as, you know,</p> <p>3 references for my report, and I think that a</p> <p>4 lot of this is also from -- from -- from the</p> <p>5 attorney.</p> <p>6 Q. Had you seen your supplemental reliance list</p> <p>7 marked as Exhibit 3-A in front of you prior to</p> <p>8 this morning?</p> <p>9 A. Not this actual piece of paper, but I mean, I</p> <p>10 have on my computer a ton of articles and, you</p> <p>11 know, J &amp; J documents. And so, I mean, I</p> <p>12 think this is consistent with, you know,</p> <p>13 everything, you know, all the databases that I</p> <p>14 have on my computer; but I haven't seen this</p> <p>15 physically in front of me.</p> <p>16 Q. Have you seen it -- just to be clear for the</p> <p>17 record, have you seen it -- this document</p> <p>18 marked as Exhibit 3-A, your supplemental</p> <p>19 reliance list in front of you, in any form,</p> <p>20 whether physically or electronically, prior to</p> <p>21 this morning?</p> <p>22 A. I mean, like I said, I've seen all of the</p> <p>23 names and all of the articles, you know,</p> <p>24 sequentially on a -- in the computer file, but</p>

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<p>1 not collected in a list form.</p> <p>2 Q. So you'd agree that you didn't give</p> <p>3 final approval to the document marked as</p> <p>4 Exhibit No. 3-A in front of you that you</p> <p>5 confirmed that you'd reviewed all of the</p> <p>6 materials on this list prior to it being</p> <p>7 submitted; is that accurate?</p> <p>8 MS. KATZ GERSTEL: Objection.</p> <p>9 A. I did not give final approval, no.</p> <p>10 BY MR. FAES:</p> <p>11 Q. Doctor, what percentage of your practice is</p> <p>12 spent treating women as opposed to men?</p> <p>13 A. 99.9 percent. I have had to treat two men in</p> <p>14 the last 12 years because I was one of only a</p> <p>15 few people doing a procedure called InterStim</p> <p>16 in the state, and, you know, the anatomy of</p> <p>17 the back is similar in a man or a woman. So</p> <p>18 I've had to treat a couple of men with</p> <p>19 InterStim. But other than that, it's all</p> <p>20 women.</p> <p>21 Q. Doctor, I'm going to mark your CV as Exhibit</p> <p>22 No. 4 and hand that to you.</p> <p>23 (Deposition Exhibit No. 4 was marked for</p> <p>24 identification.)</p>	<p>1 non-discussion posters. The non-discussion</p> <p>2 posters are literally posters that hang in a</p> <p>3 hall. They're still accepted, but you don't</p> <p>4 get up in front of your colleagues and, you</p> <p>5 know, do a formal presentation.</p> <p>6 Q. So what is the -- what is the subject matter</p> <p>7 of the presentation or poster that you've</p> <p>8 submitted for the upcoming ICS meeting?</p> <p>9 A. It's the use of InterStim sacral</p> <p>10 neuromodulation in a woman with something</p> <p>11 called paradoxical puborectalis syndrome.</p> <p>12 It's defecatory dysfunction, chronic anal</p> <p>13 rectal pain. And she had failed multiple</p> <p>14 conservative therapies, and so we used</p> <p>15 InterStim in her, and she had a pretty</p> <p>16 dramatic response.</p> <p>17 Q. So you'd agree that you're not currently</p> <p>18 working on any clinical studies involving</p> <p>19 pelvic mesh, correct?</p> <p>20 A. That's correct.</p> <p>21 Q. And this is a similar but different question.</p> <p>22 You're not -- you'd agree that you aren't</p> <p>23 currently doing any current research on any</p> <p>24 polypropylene meshes; is that correct?</p>
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<p>1 BY MR. FAES:</p> <p>2 Q. And this is your current CV, is that</p> <p>3 correct, or at least as of August of 2016?</p> <p>4 A. Yeah, August of 2016.</p> <p>5 Q. Your CV has a number of publications and</p> <p>6 presentations listed.</p> <p>7 Are there any clinical studies that</p> <p>8 you're working on currently that aren't listed</p> <p>9 on your list of publications or presentations?</p> <p>10 A. I mean, I submitted an abstract to the ICS</p> <p>11 meeting that's going to be in the fall, but I</p> <p>12 wouldn't call it a clinical study. It's more</p> <p>13 a report, not a clinical study.</p> <p>14 Q. So it's kind of like the ND Posters that you</p> <p>15 presented at the ICS meetings in Beijing in</p> <p>16 2012; is that accurate?</p> <p>17 A. Well, I mean, it was their choice for them to</p> <p>18 not be, you know, non-discussion poster</p> <p>19 presentations. We'll see what ICS, you know,</p> <p>20 does with my -- with my abstract. It will</p> <p>21 probably be another poster at the meeting.</p> <p>22 So --</p> <p>23 Q. So it's --</p> <p>24 A. There's oral posters and there's</p>	<p>1 A. No.</p> <p>2 Q. Have you ever written any articles or</p> <p>3 publications specifically on the Burch</p> <p>4 procedure, either the open Burch or the</p> <p>5 laparoscopic Burch procedure?</p> <p>6 A. Not specifically on Burch procedures and --</p> <p>7 but I did write a paper years ago about</p> <p>8 voiding and outlet obstruction after</p> <p>9 anti-incontinence surgery, and my recollection</p> <p>10 is that maybe -- I'd have to go back and look,</p> <p>11 but it might have been that some of those</p> <p>12 patients did have Burches, but it's been</p> <p>13 14 years.</p> <p>14 Q. You're referring to the --</p> <p>15 A. Delayed voiding and outlet obstruction after</p> <p>16 anti-incontinence surgery.</p> <p>17 Q. Okay. Have you ever written a -- written or</p> <p>18 done research specifically on the autologous</p> <p>19 fascial sling?</p> <p>20 A. No research and no reports on that.</p> <p>21 Q. Do you consider yourself an academic</p> <p>22 physician?</p> <p>23 A. I think that people who are in -- who are in</p> <p>24 teaching institutions would probably say that</p>

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<p>1 they are academic. I like to write some</p> <p>2 papers and occasionally do some teaching. So</p> <p>3 in that regard I'm quasi-academic.</p> <p>4 Q. Yeah, that's actually about the answer I would</p> <p>5 expect from you. Usually I get a simple yes</p> <p>6 or no, but you're kind of unique in that</p> <p>7 you -- you're not -- you're not affiliated</p> <p>8 with any university or learning institution,</p> <p>9 right?</p> <p>10 A. I'm not, no.</p> <p>11 Q. But yet you still continue to regularly</p> <p>12 publish articles fairly regularly over the</p> <p>13 course of your career, right?</p> <p>14 A. Yeah. It's fun.</p> <p>15 Q. Would you agree that you don't hold yourself</p> <p>16 out as an expert in chemical engineering?</p> <p>17 A. I'm not an expert in chemical engineering, no.</p> <p>18 Q. Would you agree that you're not an expert in</p> <p>19 pathology?</p> <p>20 A. Well, that's kind of a broad question. I'm</p> <p>21 not a pathologist, but I'm familiar with, you</p> <p>22 know, the pathology as it pertains to, you</p> <p>23 know, what I do, pathologic appearance of</p> <p>24 bladder epithelium, pathologic appearance of</p>	<p>1 Q. Would you agree that you've never done any</p> <p>2 kind of pathological or pathology analysis on</p> <p>3 an explanted polypropylene mesh?</p> <p>4 A. I have not.</p> <p>5 Q. Would you agree that you're not a biomaterials</p> <p>6 specialist?</p> <p>7 A. That's -- again, I sort of -- how do you</p> <p>8 define a biomaterials specialist? I'm -- I'm</p> <p>9 comfortable with the -- the meshes and the</p> <p>10 allografts and the autografts that I've used,</p> <p>11 but I'm certainly not employed in industry as</p> <p>12 someone who develops or manufactures</p> <p>13 biomaterials.</p> <p>14 Q. Have you ever published any opinions --</p> <p>15 published -- that polypropylene does not</p> <p>16 degrade in the human body?</p> <p>17 A. I've published no opinions about polypropylene</p> <p>18 whatsoever.</p> <p>19 Q. Have you ever -- well, I think you've already</p> <p>20 answered the next question, but I'm going to</p> <p>21 ask it anyway.</p> <p>22 So you'd agree then that you've never</p> <p>23 published opinions that polypropylene does not</p> <p>24 create a foreign body reaction in the body?</p>
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<p>1 the vulva, pathologic appearance of, you know,</p> <p>2 ovaries. So I'm not a pathologist, but I'm</p> <p>3 familiar with the pathology of the disease</p> <p>4 processes that I deal with.</p> <p>5 Q. You've explanted a number of different</p> <p>6 pelvic meshes in the course of your career,</p> <p>7 correct?</p> <p>8 A. I have.</p> <p>9 Q. Is it your normal practice to send any of</p> <p>10 those explanted materials out for pathology?</p> <p>11 A. Every time.</p> <p>12 Q. Would you agree that you're not an expert in</p> <p>13 polymer chemistry?</p> <p>14 A. I am definitely not an expert in polymer</p> <p>15 chemistry.</p> <p>16 Q. Would you agree that you're not a biomedical</p> <p>17 engineer?</p> <p>18 A. I'm not.</p> <p>19 Q. Would you agree that you've never done any</p> <p>20 bench research on polypropylene mesh?</p> <p>21 A. I have not.</p> <p>22 Q. Would you agree that you've not done any lab</p> <p>23 research on polypropylene mesh?</p> <p>24 A. I have not.</p>	<p>1 A. Yeah. I mean, I think I've answered that I</p> <p>2 haven't published anything on polypropylene in</p> <p>3 that regard.</p> <p>4 Q. When were you -- when did you first implant a</p> <p>5 midurethral polypropylene sling?</p> <p>6 A. 2003 or -- 2003 probably.</p> <p>7 Q. And what was the first midurethral</p> <p>8 polypropylene sling that you implanted?</p> <p>9 A. It was a retropubic TVT.</p> <p>10 Q. And who trained you on how to put that in?</p> <p>11 A. I think it was -- I think it was Neeraj Kohli,</p> <p>12 actually, back in 2003.</p> <p>13 Q. And was that during a training seminar that</p> <p>14 was sponsored by Ethicon and Johnson &amp;</p> <p>15 Johnson?</p> <p>16 A. It was.</p> <p>17 Q. When were you -- when did you first put the</p> <p>18 TVT-O device in for the first time?</p> <p>19 A. I mean, let's see, I -- actually I put in TOTs</p> <p>20 I think in late -- in 2004 and TVT-O 2005,</p> <p>21 2006. Good grief, I can't remember.</p> <p>22 Q. And when you say TOTs in 2004, are you</p> <p>23 referring to the Monarc device or some other</p> <p>24 device?</p>

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<p>1 A. The Monarc.</p> <p>2 Q. So you'd agree that the first transobturator</p> <p>3 midurethral sling that you were trained to put</p> <p>4 in was the Monarc device, not the TVT-O?</p> <p>5 A. It was before the TVT-O was, so yes.</p> <p>6 Q. And when you -- after you were trained to put</p> <p>7 in the Ethicon TVT-O, did you switch</p> <p>8 exclusively to the Ethicon TVT-O or did you</p> <p>9 continue to use the Monarc device as well?</p> <p>10 A. So my experience with the Monarc device, the</p> <p>11 outside-to-in TOT, to be honest, I didn't</p> <p>12 really care for it very much, and so I used it</p> <p>13 a handful of times, went back to doing</p> <p>14 retropubic TVT. And then I was approached by</p> <p>15 J &amp; J with their TVT-O, and I used that and</p> <p>16 actually was quite enamored with it.</p> <p>17 Q. So other than the TVT retropubic -- the</p> <p>18 Ethicon TVT retropubic, the Ethicon TVT-O</p> <p>19 retropubic and the Monarc, you've also put in</p> <p>20 TVT-Securs before, right?</p> <p>21 A. I've put in -- in terms of J &amp; J products,</p> <p>22 yeah, I've put in the TVT-Secur and the</p> <p>23 Abbrevo.</p> <p>24 Q. Have you ever put in a TVT-Exact?</p>	<p>1 MS. KATZ GERSTEL: Objection.</p> <p>2 BY MR. FAES:</p> <p>3 Q. Is that accurate?</p> <p>4 A. I mean, the technique for Abbrevo is very</p> <p>5 similar to the TVT-O. So I -- I guess they</p> <p>6 felt comfortable with me training people to do</p> <p>7 Abbrevos with my experience with TVT-O.</p> <p>8 Q. Is the TVT Abbrevo available at Central Maine</p> <p>9 Medical Center where you work?</p> <p>10 A. It is.</p> <p>11 Q. But you said it's substantially more expensive</p> <p>12 than the TVT retropubic device?</p> <p>13 A. Well, I don't know -- it's more -- it's</p> <p>14 certainly more expensive than the TVT-O, and</p> <p>15 my understanding is the TVT-O is more</p> <p>16 expensive than the retropubic TVT. So it's</p> <p>17 more expensive than retropubic TVT.</p> <p>18 One of the -- one of the OB-GYNs in the</p> <p>19 other group, he likes the Abbrevo, so he uses</p> <p>20 it, but infrequently.</p> <p>21 Q. Which physician is that?</p> <p>22 A. His name is Jonathan Commons.</p> <p>23 Q. Have you ever been a preceptor or trainer on</p> <p>24 the TVT-Exact device?</p>
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<p>1 A. I have.</p> <p>2 Q. You're not -- you're currently still a</p> <p>3 preceptor for the TVT and TVT-O, correct?</p> <p>4 A. I mean, I haven't signed or updated a contract</p> <p>5 with J &amp; J in a while. As far as I know, I</p> <p>6 am.</p> <p>7 We currently don't have a rep, and I</p> <p>8 think the last event that I did was 2014. So</p> <p>9 if they wanted me to teach someone to do</p> <p>10 slings, I'd be happy to.</p> <p>11 Q. You've been a preceptor for the TVT Abbrevo,</p> <p>12 correct?</p> <p>13 A. I think technically I probably was a preceptor</p> <p>14 for the TVT Abbrevo, and I did train a</p> <p>15 physician in the northern part of our state to</p> <p>16 do Abbrevo. But I don't think it was they</p> <p>17 actively had me teaching people to do</p> <p>18 Abbrevos. It was more of TVTs and TVT-Os.</p> <p>19 Q. How many Abbrevos have you put in on patients?</p> <p>20 A. Maybe 20.</p> <p>21 Q. So even though you've only put in</p> <p>22 approximately 20 TVT Abbrevos, Ethicon has you</p> <p>23 going out and teaching other physicians how to</p> <p>24 put that device in?</p>	<p>1 A. I don't think that I've trained anyone on</p> <p>2 TVT-Exact, no.</p> <p>3 Q. Have you -- you've been trained yourself on it</p> <p>4 though, correct, or not?</p> <p>5 A. Yeah.</p> <p>6 Q. Specifically on the Exact?</p> <p>7 A. I mean, the Exact is not all that different</p> <p>8 than just the retropubic TVT. So I don't know</p> <p>9 that I -- I did a formal cadaver lab, or</p> <p>10 course. I think I just used TVT-Exact because</p> <p>11 I've been trained to do TVT retropubic.</p> <p>12 Q. So you didn't have any kind of separate</p> <p>13 formalized training for the TVT before you put</p> <p>14 the TVT-Exact in for the first time, correct?</p> <p>15 A. No.</p> <p>16 Q. What would you say your sling of choice is</p> <p>17 right now for patients?</p> <p>18 MS. KATZ GERSTEL: Objection.</p> <p>19 A. Well, I mean, I go through an informed consent</p> <p>20 process with the patients, and we discuss, you</p> <p>21 know, retropubic approach and the obturator</p> <p>22 approach. I -- I favor TVT-Os, but some</p> <p>23 people, you know, opt for the retropubic.</p> <p>24 Some people like the idea of the obturator</p>

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<p>1 approach, but I think you have to, you know, 2 tailor the sling to the individual patient. 3 BY MR. FAES: 4 Q. So you'd agree that all things being equal, 5 you generally recommend to patients the TVT-O 6 approach as opposed to the TVT, correct? 7 MS. KATZ GERSTEL: Objection. 8 A. I think that sort of I'm in the habit of not 9 really recommending. I'm in the habit of sort 10 of presenting them with different options and 11 trying to do, you know, the best, you know, 12 means of educating them about these choices 13 and then not letting them make a sort of a bad 14 decision. But I don't say that's the one you 15 should have. 16 I say, you know, this is the retropubic. 17 These are, you know, the upsides and downsides 18 of that. This is the obturator approach, the 19 ups and downsides, and, you know, sort of 20 engage them in that -- in that discussion. 21 But I don't -- I don't necessarily actively 22 recommend -- I don't know that I've actively 23 recommended anything to anyone. I really like 24 them to be part of the decision-making.</p>	<p>1 Some people debate whether transobturator 2 slings are appropriate for patients with ISD 3 and whether retropubic slings should be done 4 versus obturator slings in the morbidly obese 5 or in the elderly. I'm more likely to put in 6 a retropubic sling in a 36-year-old and more 7 likely to put a transobturator sling in an 8 86-year-old. 9 So there is, I think, a lot of things 10 that sort of go into choice of sling and -- 11 and route of the sling based on a lot of, you 12 know, patient factors. 13 BY MR. FAES: 14 Q. So I think you've answered this question a 15 little bit in talking about the TVT 16 retropubic, but let me follow up with the same 17 question. 18 What do you counsel patients -- strike 19 that. 20 What do you tell patients -- when you're 21 counseling them about slings, what do you tell 22 them are the upsides and downsides of the 23 TVT-O device? 24 MS. KATZ GERSTEL: Objection.</p>
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<p>1 BY MR. FAES: 2 Q. What do you tell patients are the upsides and 3 downsides of the TVT retropubic approach? 4 MS. KATZ GERSTEL: Objection. 5 A. So we have longer-term data for the TVT 6 retropubic, and so I can give them some decent 7 counseling about what their long-term success 8 rate with that would be versus TVT-O where I 9 think our -- the longest-term data with TVT-O 10 is around seven years. Obviously, we have 11 significantly longer data for the retropubic. 12 And then we talk about adverse events and 13 complications, the passage of the trocar as 14 being retropubic, so that may put them at 15 greater risk of a bowel or bladder injury. 16 The -- depending upon again sort of, you 17 know, what you read in terms of literature, 18 patients may have a bit more voiding 19 dysfunction, urgency after a retropubic TVT 20 versus the TVT-O. 21 The TVT-O, they may have groin discomfort 22 after the procedure, usually self-limited, but 23 significantly less risk of bladder injury or 24 bowel or great vessel injury in the pelvis.</p>	<p>1 A. So the risks of TVT-O, much like risks of the 2 TVT retropubic, bleeding, infection, need for 3 further surgery. With the TVT-O there is less 4 of a risk of injuring their bowel or their 5 bladder or their urethra with the -- with the 6 TVT-O than with the retropubic. Groin pain 7 pretty much occurs unilaterally in the TVT-O 8 slings and much more rarely in retropubic 9 TVTs, although sometimes they have suprapubic 10 pain. 11 There's some debate about discomfort with 12 intercourse, that that might be more common 13 with transobturator slings than with 14 retropubic slings. And then again, there is 15 just the long-term data where we have seven 16 years, but the seven-year data seems similar 17 to the seven-year data, long-term data for 18 retropubic TVT. 19 BY MR. FAES: 20 Q. Now, you mentioned in your answer regarding 21 the upsides and downsides of the TVT 22 retropubic device that you counsel patients 23 that there is more data regarding the 24 long-term success rate when you're talking</p>

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<p>1 about the TVT-R; is that correct?</p> <p>2 A. That's correct.</p> <p>3 Q. What do you tell patients the -- you believe</p> <p>4 the long-term success rate of the TVT</p> <p>5 retropubic is?</p> <p>6 MS. KATZ GERSTEL: Objection.</p> <p>7 A. I usually say something along the lines of</p> <p>8 80 percent cure rate at ten years for sort of</p> <p>9 all-comers and 16 percent improved.</p> <p>10 BY MR. FAES:</p> <p>11 Q. Is one of the key pieces of data that you're</p> <p>12 relying on for the long-term success rate of</p> <p>13 the TVT retropubic device the Nelson 17-year</p> <p>14 study?</p> <p>15 A. Yeah. I mean, it's a small -- a small</p> <p>16 population, but they, you know, were able to</p> <p>17 follow those patients out for 17 years.</p> <p>18 Q. Is that something that you specifically</p> <p>19 discuss with patients, that there is a 17-year</p> <p>20 follow-up?</p> <p>21 A. I think I don't really use the 17-year</p> <p>22 follow-up. I use ten years.</p> <p>23 Q. And why is that? Why do you use ten years</p> <p>24 instead of the 17-year follow-up?</p>	<p>1 put it in, you know, in a retropubic or down</p> <p>2 to the vagina or inside-out or outside-in</p> <p>3 approach. So, you know, that's kind of</p> <p>4 appealing, but I found their -- their mesh to</p> <p>5 be -- their handling characteristics were --</p> <p>6 it's a lot more stiff than the J &amp; J products.</p> <p>7 Q. How many of those have you put in?</p> <p>8 A. Two.</p> <p>9 Q. When was that?</p> <p>10 A. Probably in the last two years. I put in two,</p> <p>11 and I followed the patients, and they did</p> <p>12 okay. I just -- I didn't like how the</p> <p>13 material handled intraoperatively, so I didn't</p> <p>14 continue putting them in.</p> <p>15 Q. Have you ever put in a Sparc sling?</p> <p>16 A. No.</p> <p>17 Q. Okay. And just so the record's clear, you've</p> <p>18 gone to cadaver labs for Boston Scientific,</p> <p>19 Bard and Coloplast, but you've never actually</p> <p>20 placed any of their slings in live human</p> <p>21 patients; is that accurate?</p> <p>22 A. I think that's correct, yeah.</p> <p>23 Q. Is there any particular reason why after going</p> <p>24 to a cadaver lab for Boston Scientific and</p>
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<p>1 A. I don't know. I think -- I think ten seems to</p> <p>2 stick better in their mind.</p> <p>3 Q. I just want to follow up on this line of</p> <p>4 questioning before I forget and move on to</p> <p>5 something else.</p> <p>6 So in addition to the TVT retropubic, the</p> <p>7 TVT-O, the TVT-S, the TVT Abbrevio, the</p> <p>8 TVT-Exact and the Monarc products, what other</p> <p>9 slings have you used in the course of your</p> <p>10 career for stress urinary incontinence?</p> <p>11 A. I've actually used the Caldera product. I</p> <p>12 mean, I've done -- that's been -- I've put</p> <p>13 that into human beings. I've been to cadaver</p> <p>14 labs for the Boston Sci and the Bard products.</p> <p>15 And I also did a lab on the Coloplast</p> <p>16 products, but the only other sling that I've</p> <p>17 put into humans was the Caldera.</p> <p>18 Q. Do you remember specifically what Caldera</p> <p>19 product you put in?</p> <p>20 A. I think they call it a Desara sling, and it</p> <p>21 comes with different handles. So the</p> <p>22 appealing thing about that product is that</p> <p>23 it's -- you know, the mesh material can then</p> <p>24 be attached to different handles, so you can</p>	<p>1 learning how to put in one of their slings</p> <p>2 that you chose not to use that sling in your</p> <p>3 practice?</p> <p>4 A. Well, I think the issue with their product was</p> <p>5 that they don't have an inside-out obturator</p> <p>6 sling, and I favor that over outside-in. I'm</p> <p>7 not, you know, all boned up on their</p> <p>8 literature about efficacy and adverse events,</p> <p>9 and I don't specifically remember how their</p> <p>10 mesh handled, you know, with -- on the</p> <p>11 cadaver, but they -- they don't have an</p> <p>12 inside-out approach, so just, you know, I'm</p> <p>13 continuing to do, you know, TVT-Os in that</p> <p>14 regard.</p> <p>15 Q. But you'd agree that nobody has an inside-out</p> <p>16 technique, other than Ethicon and Johnson &amp;</p> <p>17 Johnson's TVT-O or Abbrevio, correct?</p> <p>18 A. The Caldera product that I just mentioned. So</p> <p>19 sort of the appeal of that was that they have</p> <p>20 different handles so you can attach their mesh</p> <p>21 to a helical handle, which is similar to the</p> <p>22 helical handle on an TVT-O and pass that from</p> <p>23 inside to out. You could also use a different</p> <p>24 handle and do the passage outside-in or go</p>

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<p>1       retropubic, but their mesh handles</p> <p>2       differently.</p> <p>3       Q. So the same question with regard to -- first</p> <p>4       of all, what Bard products were you trained</p> <p>5       on, the Align, the Ajust, all of the above?</p> <p>6       A. I think I played with the Ajust.</p> <p>7       Q. Just to help you out, the Ajust is the mini</p> <p>8       sling.</p> <p>9       Does that refresh --</p> <p>10      A. Yes.</p> <p>11      Q. -- your recollection?</p> <p>12      A. Yeah. And, you know, it was on the market, I</p> <p>13      think, for, like, six seconds. It didn't last</p> <p>14      very long.</p> <p>15      And the Coloplast sling, I think that's</p> <p>16      their adjustable sling. It's the Aris maybe.</p> <p>17      Q. And after evaluating the Bard Ajust sling, is</p> <p>18      there any reason why you chose not to perform</p> <p>19      that product anymore?</p> <p>20      A. Well, I mean, I never performed it in a human.</p> <p>21      I just went to the lab.</p> <p>22      Q. Oh, yeah. Sorry, bad question. Let me back</p> <p>23      up.</p> <p>24      Is there any reason after evaluating the</p>	<p>1       think that there was, you know, enough data</p> <p>2       by, you know, 2008 to sort of, you know --</p> <p>3       that it wasn't comparable to the traditional</p> <p>4       slings in terms of outcomes. So I think</p> <p>5       that's why I stopped using it.</p> <p>6       Q. How -- what percentage of your practice would</p> <p>7       you say is devoted to treating mesh</p> <p>8       complications?</p> <p>9       A. When you say complications, are we including</p> <p>10      people who have failed previous slings or are</p> <p>11      you -- what complications do you -- do you</p> <p>12      mean?</p> <p>13      Q. Yes. All mesh complications. What percentage</p> <p>14      of your practice would you say are -- is</p> <p>15      devoted to treating patients with mesh</p> <p>16      complications?</p> <p>17      A. So I would say that, you know, maybe</p> <p>18      40 percent of my practice is redo slings for</p> <p>19      failures and -- and then complications related</p> <p>20      to placement of the mesh or long-term, you</p> <p>21      know, complications of mesh procedures.</p> <p>22      Q. And how many slings would you say you put in</p> <p>23      a year currently?</p> <p>24      A. Between 100 and 120.</p>
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<p>1       Ajust in a cadaver lab why you chose not to</p> <p>2       use that product in your patients?</p> <p>3       A. I guess I just didn't feel the need to change.</p> <p>4       I didn't really see a benefit to using that</p> <p>5       product over the J &amp; J products.</p> <p>6       Q. And what about the Coloplast Aris; the same</p> <p>7       question with regard to that?</p> <p>8       A. The same thing. I didn't care much for the</p> <p>9       means of introducing it into the -- into the</p> <p>10      patient, into the cadaver. And, again, I</p> <p>11      really didn't feel the need to change from</p> <p>12      what I'm currently using.</p> <p>13      Q. How many TVT-Securs have you placed during the</p> <p>14      course of your career?</p> <p>15      A. It's been a long time since I've put a Secur</p> <p>16      in someone. I've probably put in maybe 50 or</p> <p>17      60 Securs. Probably the last time I put one</p> <p>18      in someone was in late 2007, 2008.</p> <p>19      Q. Why did you stop using the TVT-Secur device in</p> <p>20      late 2007, 2008?</p> <p>21      A. I think that my experience in following my</p> <p>22      patients up with the TVT-Secur, it didn't have</p> <p>23      the -- the durability and efficacy of the</p> <p>24      traditional three-incision slings. And I</p>	<p>1       Q. And how many sling excision or revision</p> <p>2       procedures would you say you perform in an</p> <p>3       average year?</p> <p>4       A. At least 20, at least, if not more.</p> <p>5       Q. And if I changed my question to ask about how</p> <p>6       many mesh revision or excision procedures you</p> <p>7       perform in an average year, what's that</p> <p>8       number?</p> <p>9       A. We're talking about slings?</p> <p>10      Q. No. Now I'm expanding the question to any</p> <p>11      type of mesh, including pelvic or prolapse</p> <p>12      mesh.</p> <p>13      A. I think that that number has sort of decreased</p> <p>14      in the last few years because of less -- less</p> <p>15      products being on the market. I mean, it's</p> <p>16      March. I haven't -- I haven't done any mesh</p> <p>17      excisions or revisions for either</p> <p>18      sacrocolpopexy mesh or mesh kits in the last,</p> <p>19      you know, three-and-a-half months. I mean, I</p> <p>20      think at this point I probably do, you know,</p> <p>21      less -- less than ten a year just because I</p> <p>22      think there's less mesh being used perhaps.</p> <p>23      MR. FAES: Sorry. Can you read back that</p> <p>24      last -- the last two sentences of that last</p>

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<p>1 part? I kind of zoned out. I didn't hear</p> <p>2 what he said.</p> <p>3 (Previous question read back by The</p> <p>4 Reporter.)</p> <p>5 BY MR. FAES:</p> <p>6 Q. So in terms of sling procedures, you're</p> <p>7 putting in about 100 to 120 a year, and you're</p> <p>8 excising or revising approximately 20 or more</p> <p>9 a year; is that accurate?</p> <p>10 A. The majority of the -- if you're asking if</p> <p>11 they're -- if they're all my patients, if</p> <p>12 they're all the same --</p> <p>13 Q. I'm not asking if they're all your patients.</p> <p>14 I'm just asking in terms of the ratio, you'd</p> <p>15 agree that you're putting in about 100 to 120</p> <p>16 midurethral polypropylene slings a year, and</p> <p>17 you're excising or revising 20 or more a year;</p> <p>18 is that -- that accurate?</p> <p>19 A. Yeah. I mean, the -- the patients who are</p> <p>20 getting revisions and excisions are -- those</p> <p>21 are not patients that I put slings into. But,</p> <p>22 yes, those are accurate numbers.</p> <p>23 Q. So in terms of your practice in slings, about</p> <p>24 80 percent of it's putting them in and about</p>	<p>1 BY MR. FAES:</p> <p>2 Q. So you'd agree that -- well, strike that.</p> <p>3 So physicians that -- there are many</p> <p>4 physicians that are comfortable putting them</p> <p>5 in, and most of those physicians have been</p> <p>6 trained by a mesh manufacturer on how to</p> <p>7 put the slings in, which is part of the reason</p> <p>8 why they're comfortable putting them in,</p> <p>9 correct?</p> <p>10 MS. KATZ GERSTEL: Object to form.</p> <p>11 A. I -- I mean, I don't -- I mean, I know most of</p> <p>12 that people that put in slings in the State of</p> <p>13 Maine. I -- I know who they are. I know</p> <p>14 their names. I don't know -- I don't know who</p> <p>15 trained them. They certainly could have been</p> <p>16 trained during residency. Some of them may</p> <p>17 have been trained at a course that's sponsored</p> <p>18 by a mesh manufacturer. I don't know the</p> <p>19 extent of their training.</p> <p>20 I know certain physicians in the state</p> <p>21 that I trained, and so, you know, I know who I</p> <p>22 trained to put in slings, but I don't know</p> <p>23 everyone's training background.</p> <p>24 BY MR. FAES:</p>
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<p>1 20 percent is taking them out, right?</p> <p>2 A. And then usually putting another sling in</p> <p>3 those 20 percent. Yeah, it's -- that's pretty</p> <p>4 much, you know, correct.</p> <p>5 Q. Has it been your experience that frequently</p> <p>6 when a patient has a problem with a sling</p> <p>7 that requires excision or removal, that</p> <p>8 they frequently go to a doctor that's</p> <p>9 different than the one that has originally</p> <p>10 implanted it?</p> <p>11 MS. KATZ GERSTEL: Object to form.</p> <p>12 A. I think that what happens, at least in Maine,</p> <p>13 is that a lot of the doctors who put in slings</p> <p>14 are not comfortable removing slings, and --</p> <p>15 but, I mean, I've seen patients who've had</p> <p>16 some sling complications, and they go back and</p> <p>17 they see their doctor who put the sling in,</p> <p>18 and then that doctor sends them to me to deal</p> <p>19 with the complication.</p> <p>20 I know that a lot of folks, and it's</p> <p>21 supported in the medical literature, not</p> <p>22 everyone goes back to see their implanting,</p> <p>23 you know, surgeon. So I mean, it's -- it's</p> <p>24 hard to say.</p>	<p>1 Q. As part of your training sessions that you do</p> <p>2 for Ethicon and Johnson &amp; Johnson when you're</p> <p>3 a preceptor, do you -- when you're training</p> <p>4 physicians on how to put them in, do you also</p> <p>5 train physicians on how to excise or remove</p> <p>6 the sling if necessary during those sessions?</p> <p>7 A. The problem with that is that you have limited</p> <p>8 time, and one of the things that I certainly</p> <p>9 would discuss with doctors who I was training</p> <p>10 is, you know -- or at least something that I</p> <p>11 was always taught in training was that if you</p> <p>12 can't handle your own complication, then, you</p> <p>13 know, you should consider maybe not doing that</p> <p>14 procedure. But there really wasn't a chance</p> <p>15 to, you know, go through, you know, how to</p> <p>16 remove a sling. And I think, you know, spend</p> <p>17 enough time on, you know, trying to get them</p> <p>18 comfortable with the anatomy and placement and</p> <p>19 sort of the pearls of doing it and tensioning</p> <p>20 the slings and dealing with sort of</p> <p>21 perioperative complications like what do you</p> <p>22 do with a patient who can't pee after a sling</p> <p>23 and how long do you wait before you go and</p> <p>24 revise a sling. But we didn't really go</p>

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<p>1 through, you know, how do you remove the sling</p> <p>2 in those training sessions.</p> <p>3 Q. So I'm just going to reask it in a different</p> <p>4 way, because I'm not sure I quite understood</p> <p>5 the answer to my question --</p> <p>6 A. Sorry.</p> <p>7 Q. -- in that long answer.</p> <p>8 You'd agree that during the training</p> <p>9 sessions that you give as a proctor for</p> <p>10 Ethicon and Johnson &amp; Johnson, you don't spend</p> <p>11 any time during the training sessions</p> <p>12 instructing physicians specifically how to</p> <p>13 remove or excise a mesh device, if it becomes</p> <p>14 necessary, during the course of the patient's</p> <p>15 treatment and care, correct?</p> <p>16 A. That's fair, yes.</p> <p>17 MS. KATZ GERSTEL: Object to form.</p> <p>18 BY MR. FAES:</p> <p>19 Q. And what's -- we talked a little bit about</p> <p>20 your -- how you counsel patients regarding the</p> <p>21 differences between the TVT and the TVT-O.</p> <p>22 What percentage of the slings that you</p> <p>23 put in would you say are TVT as opposed to</p> <p>24 TVT-O?</p>	<p>1 the State of Maine, right?</p> <p>2 A. Correct.</p> <p>3 Q. Are you currently licensed in any other</p> <p>4 states?</p> <p>5 A. No.</p> <p>6 Q. What other states have you been licensed in?</p> <p>7 A. North Carolina and Mississippi.</p> <p>8 Q. And when did your license in North Carolina</p> <p>9 become inactive?</p> <p>10 A. Probably when I left North Carolina. Within a</p> <p>11 year or two of 2001, I would imagine.</p> <p>12 Q. The same question with regard to Mississippi.</p> <p>13 A. I left Old Miss in the fall of 2004. So I</p> <p>14 just left -- let my license expire. Probably</p> <p>15 2004, 2005.</p> <p>16 Q. Have you ever been subject to any disciplinary</p> <p>17 action by any medical board in any state where</p> <p>18 you've been licensed?</p> <p>19 A. No.</p> <p>20 Q. How did you end up in Maine -- Portland,</p> <p>21 Maine?</p> <p>22 A. Well, what I like to tell people is that there</p> <p>23 was a job in the back of a medical journal.</p> <p>24 And there was. You know, I grew up in New</p>
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<p>1 A. I would say that probably 10 percent are</p> <p>2 retropubic TVT, and the remainder are TVT-O.</p> <p>3 Q. And of the slings that you're putting in right</p> <p>4 now, 100 percent of both the TVTs and TVT-Os</p> <p>5 are the mechanically-cut version of those</p> <p>6 products, correct?</p> <p>7 A. That's correct.</p> <p>8 Q. Besides the TVT-O -- TVT mechanically-cut, the</p> <p>9 TVT-O mechanically-cut, and the TVT Abbrevio</p> <p>10 device, what other products -- what other</p> <p>11 sling products are currently available to you</p> <p>12 to use at Central Maine Medical Center?</p> <p>13 A. I don't know. I mean, I don't know what they</p> <p>14 stock the shelves with. I know they stock the</p> <p>15 shelves with my products, because I'm probably</p> <p>16 the one that does the most slings at the</p> <p>17 hospital. I mean, I think we could probably</p> <p>18 get whatever sling we wanted, but I don't know</p> <p>19 that they stock Boston Sci's products, for</p> <p>20 instance, or Coloplast's products.</p> <p>21 Q. Is Central Maine Medical Center the only</p> <p>22 hospital where you currently have privileges?</p> <p>23 A. Yes.</p> <p>24 Q. And you're currently a licensed physician in</p>	<p>1 Jersey, and my parents had a little place in</p> <p>2 upstate New York, so we were near the lakes</p> <p>3 and the mountains and all of that. And when</p> <p>4 my mentor at Old Miss had sort of said that</p> <p>5 there was nothing left he could, you know,</p> <p>6 teach me -- he was kind of being funny about</p> <p>7 it -- I was looking for jobs. And Portland</p> <p>8 seemed like a nice -- or Maine sounded like a</p> <p>9 nice place to come, and there was a job in the</p> <p>10 back of one of the journals for Central Maine.</p> <p>11 And I'd never heard of Lewiston, Maine,</p> <p>12 before, and my first question was, how close</p> <p>13 are you to Portland? Because I'd heard of</p> <p>14 Portland. And it's pretty close, and I've</p> <p>15 been here for, I guess, just over 12 years.</p> <p>16 So far so good.</p> <p>17 Q. When you performed the TVT -- Ethicon TVT</p> <p>18 retropubic device, do you do it under local or</p> <p>19 general anesthesia?</p> <p>20 A. We typically do it under general with</p> <p>21 something called an LMA, laryngeal mask</p> <p>22 airway, most of the time.</p> <p>23 Q. Have you ever done a TVT retropubic under</p> <p>24 local anesthesia?</p>

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<p>1 A. I've done it with local and sedation. My 2 experience is that I think you have to choose 3 your patients carefully to do sedation with 4 local. I know that the original TVT was -- 5 that was sort of one of the selling points, 6 that you could do it under -- under local. 7 For whatever reason a lot of my patients 8 are, how shall I say, high anxiety, and more 9 difficult to keep them still for a procedure 10 with sedation than local. So I just pretty 11 much do them all under general. 12 Q. When you do do a TVT retropubic under local 13 anesthesia, do you perform a cough test to 14 check the tension in the tape? 15 A. I go through the motions of a cough test. The 16 problem with that is that not everyone leaks 17 when they're supine. So I mean, I think it 18 gives you some estimation of tensioning, but I 19 don't know that I would hang my hat on cough 20 tests as a great marker for efficacy post-op. 21 Q. Do you have an understanding of whether or not 22 the TVT retropubic procedure, as it was 23 originally designed by the inventor, was 24 designed to be performed under local</p>	<p>1 A. I guess it depends upon what you define as 2 efficacy. I mean, I'm -- I'm not familiar 3 with what paper you're referring to, but I 4 guess I'd have to sort of know when you say 5 efficacy, do you mean post operatively, you 6 know, they have a subjective -- is it a 7 subjective outcome that you're looking at or 8 is this a measurable urodynamic outcome that 9 you're looking at or pad counts, weighted 10 pads. 11 Fifteen percent, you know, I don't 12 know -- it's hard for me to say whether that's 13 significant or not. 14 Q. If Ethicon and Johnson &amp; Johnson had data 15 showing that there was a 15 percent difference 16 in objective cure rate with the TVT when done 17 under local anesthesia with a cough test as 18 opposed to general anesthesia, is that 19 information as an implanting physician who 20 uses the TVT retropubic that you would want to 21 know? 22 MS. KATZ GERSTEL: Object to form. 23 A. I think I'd want to know it. If it's a 24 question of ultimately would it change my</p>
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<p>1 anesthesia with a cough test? 2 A. Yes. 3 Q. You do have that understanding? 4 A. Correct. 5 Q. Do you have an understanding that there's a -- 6 some studies have shown a greater than 15 7 percent difference between -- in efficacy 8 rates between performing a TVT retropubic 9 under local anesthesia with a cough test as 10 opposed to general anesthesia? 11 MS. KATZ GERSTEL: Object to form. 12 A. I can't think of that particular study right 13 now. 14 The other issue is that not everyone who 15 gets a sling is just getting a sling. A lot 16 of my patients are getting a sling and a 17 prolapse repair at the same time. So I think 18 that's also something else that necessitates 19 general anesthetic. 20 BY MR. FAES: 21 Q. Would you agree that an efficacy difference of 22 15 percent between doing the procedure under 23 local and doing it under general is 24 significant?</p>	<p>1 practice of doing the majority of my slings 2 under general anesthesia. Hard to know. 3 BY MR. FAES: 4 Q. Assuming that it were true that there was a 5 15 percent difference in the objective cure 6 rates for doing it under local anesthesia with 7 a cough test as opposed to general, is that 8 something that you would feel obligated to 9 pass on to your patients when doing informed 10 consent so that they could make a choice 11 regarding whether they want local or general 12 anesthesia? 13 MS. KATZ GERSTEL: Object to form. 14 A. I would pass it along to my patients. But you 15 also -- you also have to sort of know your -- 16 know your patients. And I can -- I can tell 17 you that being here for 12 years, when I've 18 mentioned the idea of honestly doing a sling 19 under local with sedation, most of my patients 20 really balk at that, and their -- their 21 comment is, I just want to be put out so -- 22 BY MR. FAES: 23 Q. Do you know what the pore size is of the 24 Prolene mesh in the TVT and TVT-O devices?</p>

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<p>1 A. Greater than 75 microns.</p> <p>2 Q. Do you know any more specifically than that</p> <p>3 the size of the pores in the TVT or TVT</p> <p>4 retropubic device?</p> <p>5 A. Not off the top of my head.</p> <p>6 Q. Do you know what the weight of the device</p> <p>7 is -- of the mesh is in the TVT and TVT-O</p> <p>8 devices?</p> <p>9 A. I don't.</p> <p>10 Q. Do you know why Ethicon and Johnson &amp; Johnson</p> <p>11 calls the mesh in the TVT and TVT-O devices</p> <p>12 the old construction mesh?</p> <p>13 MS. KATZ GERSTEL: Objection.</p> <p>14 A. The old construction mesh? I've not heard</p> <p>15 that term used to describe the TVT mesh.</p> <p>16 BY MR. FAES:</p> <p>17 Q. Do you have an understanding of what the mesh</p> <p>18 that's used in the TVT and TVT-O was</p> <p>19 originally developed for?</p> <p>20 A. I mean, my understanding of sort of mesh</p> <p>21 products being used in the vaginal space is</p> <p>22 that it was based on the hernia literature and</p> <p>23 outcomes from mesh used for hernia repair, and</p> <p>24 that there were, you know, other forms of mesh</p>	<p>1 products were also trialed for stress urinary</p> <p>2 incontinence, and all of the products that are</p> <p>3 currently on the market, or were recently on</p> <p>4 the market but then withdrawn from the market,</p> <p>5 were all some form of polypropylene.</p> <p>6 Q. Do you know whether or not the mesh that's</p> <p>7 used in the TVT and TVT-O device is actually</p> <p>8 the same mesh as the Prolene hernia mesh that</p> <p>9 was used introduced by Ethicon and Johnson &amp;</p> <p>10 Johnson in 1974?</p> <p>11 A. I don't know.</p> <p>12 Q. So just to be clear, you don't know one way or</p> <p>13 the other, correct?</p> <p>14 A. One way or the other what?</p> <p>15 Q. Whether or not the mesh in the TVT and TVT-O</p> <p>16 is or is not the same as the original 1974</p> <p>17 hernia mesh introduced by Ethicon and Johnson</p> <p>18 &amp; Johnson?</p> <p>19 A. I don't know if it's the same mesh, no.</p> <p>20 MR. FAES: We've been going about two</p> <p>21 hours. Would this be a good time for a break?</p> <p>22 MS. KATZ GERSTEL: It would be great.</p> <p>23 Thank you.</p> <p>24 (Brief recess taken.)</p>
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<p>1 products trialed in the vaginal space. The</p> <p>2 majority of them were -- had very untoward</p> <p>3 outcomes, but I think that's why -- or that's</p> <p>4 sort of the movement of mesh in the vaginal</p> <p>5 space was based on hernia literature.</p> <p>6 Q. Do you have an understanding of when the mesh</p> <p>7 that was -- that is used in the TVT and TVT-O</p> <p>8 was first used in the human body?</p> <p>9 A. I mean, Prolene has been used in the human</p> <p>10 body since probably the '50s. I can't</p> <p>11 remember exactly when Prolene was, you know,</p> <p>12 weaved or knitted into a mesh and then put</p> <p>13 into the human body. I don't have an idea of</p> <p>14 that.</p> <p>15 Q. Do you have an understanding of whether or not</p> <p>16 the mesh that's used in the TVT -- well,</p> <p>17 strike that.</p> <p>18 Do you know whether or not the mesh</p> <p>19 that's used in TVT and TVT-O was specifically</p> <p>20 designed for the treatment of stress urinary</p> <p>21 incontinence?</p> <p>22 A. I don't know that it was specifically designed</p> <p>23 for the treatment of stress urinary</p> <p>24 incontinence, but I know that other meshes and</p>	<p>1 BY MR. FAES:</p> <p>2 Q. Doctor, we're back on the record after a short</p> <p>3 break.</p> <p>4 Are you ready to proceed?</p> <p>5 A. Yes.</p> <p>6 Q. Doctor, if I could have you look at your CV,</p> <p>7 which I believe is marked as Exhibit No. 4.</p> <p>8 If you look on -- I don't know what page</p> <p>9 it is, but it's -- I think it's second to the</p> <p>10 last page where it states Speaker's Bureau.</p> <p>11 Tell me when you're ready.</p> <p>12 A. (Examining document) Speaker's Bureau, yes.</p> <p>13 Q. You're currently on the Speaker's Bureau for</p> <p>14 Pfizer?</p> <p>15 A. I am.</p> <p>16 Q. And you're currently on the Speaker's Bureau</p> <p>17 for GSK, correct?</p> <p>18 A. Yes.</p> <p>19 Q. You're currently on the Speaker's Bureau for</p> <p>20 Allergan, correct?</p> <p>21 A. Yes.</p> <p>22 Q. And you're currently on the Speaker's Bureau</p> <p>23 for Shionogi, S-h-i-o-n-o-g-i; is that</p> <p>24 correct?</p>

22 (Pages 82 to 85)

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<p>1 A. Yes.</p> <p>2 Q. And what products do you speak for for</p> <p>3 Pfizer?</p> <p>4 A. Well, I'll just say that it's actually been</p> <p>5 years since I've given any presentations for</p> <p>6 those companies because they've kind of moved</p> <p>7 away from a lot of speaker programs. However,</p> <p>8 when I was speaking for Pfizer, it was Toviaz</p> <p>9 and Detrol.</p> <p>10 Q. What about GSK; what products have you spoken</p> <p>11 for on their behalf?</p> <p>12 A. Vesicare and Myrbetriq.</p> <p>13 Q. Allergan?</p> <p>14 A. Sanctura.</p> <p>15 Q. And...</p> <p>16 A. Shionogi.</p> <p>17 Q. Shionogi?</p> <p>18 A. They have a product called Osphe-na,</p> <p>19 O-s-p-h-e-n-a, Osphe-na.</p> <p>20 Q. What's Osphe-na?</p> <p>21 A. It is a type of drug called a SERM. It's a</p> <p>22 Selective Estrogen Receptor Modulator. It's</p> <p>23 used for dyspareunia and vaginal dryness, oral</p> <p>24 tablet.</p>	<p>1 whether or not you were a consultant for --</p> <p>2 A. No.</p> <p>3 Q. -- the Johnson &amp; Johnson company,</p> <p>4 Ortho-McNeil?</p> <p>5 A. I said that I wasn't a consultant, that I</p> <p>6 spoke for them. You asked what years I was</p> <p>7 involved with them, and I struggle to remember</p> <p>8 what years I was speaking for them.</p> <p>9 Q. Did you have a consulting agreement with them</p> <p>10 that you signed when you were speaking for</p> <p>11 them?</p> <p>12 A. I don't remember the wording on the contract.</p> <p>13 Q. But whether it was a consulting agreement or a</p> <p>14 contract, you did have a contract with the</p> <p>15 Johnson &amp; Johnson company, Ortho-McNeil when</p> <p>16 you were speaking for them from approximately</p> <p>17 2006 to 2009, correct?</p> <p>18 A. Yes.</p> <p>19 Q. And that contract involved, among other</p> <p>20 things, the amount of your compensation for</p> <p>21 any speaking engagements that you did on their</p> <p>22 behalf, correct?</p> <p>23 A. It would have, yes.</p> <p>24 Q. And under surgical preceptor consultant on</p>
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<p>1 Q. When you've been on the Speaker's Bureau for</p> <p>2 these four companies in the past, you've been</p> <p>3 compensated for your time by those companies</p> <p>4 for speaking engagements that you were</p> <p>5 involved in, correct?</p> <p>6 A. Yes.</p> <p>7 Q. And I found an older version of your CV from</p> <p>8 2012, and on that version of your CV, you had</p> <p>9 Ortho-McNeil also listed under Speaker's</p> <p>10 Bureau at that time?</p> <p>11 A. Yeah. So that would have been Elmiron,</p> <p>12 E-l-m-i-r-o-n, Elmiron. That's a drug for</p> <p>13 interstitial cystitis.</p> <p>14 Q. And Ortho-McNeil is a Johnson &amp; Johnson</p> <p>15 company, correct?</p> <p>16 A. I think that's correct, yeah.</p> <p>17 Q. And when you -- and what years approximately</p> <p>18 did -- were you a consultant for Ortho-McNeil</p> <p>19 at the Johnson &amp; Johnson company?</p> <p>20 A. I don't know that I was a consultant. I mean,</p> <p>21 I spoke for them. Let's see, maybe it could</p> <p>22 have been 2006 through 2009 or '10. I don't</p> <p>23 remember.</p> <p>24 Q. It's your testimony that you don't know</p>	<p>1 your CV, you list Ethicon Female Urology,</p> <p>2 correct?</p> <p>3 A. Yes.</p> <p>4 Q. And Medtronic, correct?</p> <p>5 A. Yes.</p> <p>6 Q. And the Medtronic device, you're a preceptor</p> <p>7 for their InterStim product, correct?</p> <p>8 A. Correct.</p> <p>9 Q. And you receive compensation from Ethicon and</p> <p>10 Johnson &amp; Johnson and Medtronic for</p> <p>11 preceptoring events that you do on their</p> <p>12 behalf, correct?</p> <p>13 A. Correct.</p> <p>14 Q. And do you have -- strike that.</p> <p>15 And you've been a preceptor with Ethicon</p> <p>16 and Johnson &amp; Johnson since approximately</p> <p>17 2006; is that accurate?</p> <p>18 A. That's about -- I think that's about right,</p> <p>19 yeah.</p> <p>20 Q. Do you recall when your first contract was</p> <p>21 that you signed with Ethicon and Johnson &amp;</p> <p>22 Johnson?</p> <p>23 A. It may have been 2006. I know the rep from</p> <p>24 2006. It was probably 2006.</p>

23 (Pages 86 to 89)

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<p>1 Q. Do you recall whether or not that -- whether</p> <p>2 or not you had a contract in 2007 with Ethicon</p> <p>3 and Johnson &amp; Johnson that was for up to</p> <p>4 \$60,000?</p> <p>5 MS. KATZ GERSTEL: Objection.</p> <p>6 A. I'm -- are you asking whether I was</p> <p>7 compensated \$60,000 in that year?</p> <p>8 I don't understand your question. I'm</p> <p>9 sorry.</p> <p>10 BY MR. FAES:</p> <p>11 Q. No. I'm asking whether you had a contract</p> <p>12 with Ethicon and Johnson &amp; Johnson in 2007</p> <p>13 that provided for a maximum of \$60,000 in</p> <p>14 compensation?</p> <p>15 MS. KATZ GERSTEL: Objection.</p> <p>16 A. I -- I don't remember the wording of the</p> <p>17 contract. I'm sorry.</p> <p>18 BY MR. FAES:</p> <p>19 Q. Now, in addition to Pfizer, GSK, Allergan and</p> <p>20 Shionogi, you've also received payments from</p> <p>21 Astellas Pharmaceuticals?</p> <p>22 A. GSK is Astellas or Astellas was GSK.</p> <p>23 Q. And you've received payments in the past from</p> <p>24 Covidien?</p>	<p>1 Q. Well, let me broaden that. The last four</p> <p>2 years.</p> <p>3 A. I remember going to Minneapolis for an AMS</p> <p>4 event in May of 2011 perhaps, but that's --</p> <p>5 that's all I can remember.</p> <p>6 Q. And you would have received reimbursement for</p> <p>7 travel expenses, which is a form of payment,</p> <p>8 for -- from American Medical Systems for going</p> <p>9 to that event, correct?</p> <p>10 A. Yes.</p> <p>11 Q. And American Medical Systems is a manufacturer</p> <p>12 of pelvic mesh devices and slings, correct?</p> <p>13 A. They were, yeah.</p> <p>14 Q. And you received payments within the last five</p> <p>15 years from Astora Women's Health?</p> <p>16 A. Okay. So, right, AMS became Astora briefly.</p> <p>17 It's probably that I had dinner with their rep</p> <p>18 or something, and that may be what's showing</p> <p>19 up on whatever you've got there.</p> <p>20 Q. So you would agree that you have received</p> <p>21 payments from Astora Women's Health within the</p> <p>22 last five years?</p> <p>23 A. I don't think that I received a check from</p> <p>24 Astora, but I think that I had a steak with</p>
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<p>1 A. Covidien. Not that I'm aware of.</p> <p>2 Q. You don't recall receiving any payments within</p> <p>3 the last three years from Covidien?</p> <p>4 A. I mean, Covidien has become -- Medtronic has,</p> <p>5 I think, purchased Covidien. I don't remember</p> <p>6 getting paid by Covidien.</p> <p>7 Q. You've received payments within the last three</p> <p>8 years from Coloplast, correct?</p> <p>9 A. Probably payments towards going to a lab but</p> <p>10 not being a proctor or a speaker for them.</p> <p>11 Q. But the answer to my question is, yes, you</p> <p>12 have received some payments from Coloplast</p> <p>13 within the last three years, correct?</p> <p>14 A. Yes.</p> <p>15 Q. And Coloplast is another mesh manufacturer</p> <p>16 that makes, among other things, the RS device</p> <p>17 that you went to a cadaver lab on, correct?</p> <p>18 A. Yes.</p> <p>19 Q. And you've received payments within the last</p> <p>20 three years from Caldera, correct?</p> <p>21 A. Not that I'm aware of.</p> <p>22 Q. You've received payments within the last three</p> <p>23 years from American Medical Systems?</p> <p>24 A. The last three years?</p>	<p>1 the rep.</p> <p>2 Q. So is the answer to my question, yes, that you</p> <p>3 would have received a payment of some kind or</p> <p>4 reimbursement from -- or an in-kind payment</p> <p>5 from Astora Women's Health within the last</p> <p>6 five years?</p> <p>7 A. A dinner, yes.</p> <p>8 Q. Would you agree that you've received payments</p> <p>9 from Bayer Pharmaceuticals within the last</p> <p>10 five years?</p> <p>11 A. I -- I don't know who that would be or what</p> <p>12 that would be for. So I don't have any</p> <p>13 recollection of Bayer Pharmaceuticals.</p> <p>14 Q. Would you agree that you've received payments</p> <p>15 from AbbVie, A-b-b-v-i-e, within the last five</p> <p>16 years?</p> <p>17 A. Oh, AbbVie. I've attended --</p> <p>18 Q. Possibly, just to help you out, in connection</p> <p>19 with a product called Lupron?</p> <p>20 A. Yeah, thank you. Yeah, I've attended some</p> <p>21 dinner events that were responded by AbbVie.</p> <p>22 Q. And you've received payments within the last</p> <p>23 five years from Ferring Pharmaceuticals?</p> <p>24 A. Do you have a product for them, too?</p>

24 (Pages 90 to 93)



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<p>1 Q. Well, just for now can you -- I don't. Can</p> <p>2 you tell me if you recall receiving a payment</p> <p>3 from them within the last four years?</p> <p>4 A. I don't. I'm -- I'm sorry.</p> <p>5 Q. Have you received payments within the last</p> <p>6 five years from OmniGuide, Inc.?</p> <p>7 A. I -- I don't know what that is. I'm sorry.</p> <p>8 Q. Have you received payments within the last</p> <p>9 five years from Noven Pharmaceuticals?</p> <p>10 A. Not that I'm aware of.</p> <p>11 Q. Have you received payments within the last</p> <p>12 five years from Smith &amp; Nephew, Incorporated?</p> <p>13 A. Had dinner with the rep.</p> <p>14 Q. So is the answer to my question, yes, you</p> <p>15 received payments within the last five years</p> <p>16 from Smith &amp; Nephew, Inc.?</p> <p>17 A. In a matter of speaking. They paid for my</p> <p>18 dinner, so yes.</p> <p>19 Q. And you've received payments within the last</p> <p>20 five years from Bio-Rad Laboratories?</p> <p>21 A. I -- not that I'm aware of.</p> <p>22 Q. And you've received payments within the last</p> <p>23 five years from Cooper Surgical, Incorporated?</p> <p>24 A. No, not that I'm aware of. It sounds like</p>	<p>1 are inaccurately reported on this website?</p> <p>2 A. You're pointing it out to me for the first</p> <p>3 time. I've not heard of this website before.</p> <p>4 Q. Can you turn to page 3 of 7 of this document?</p> <p>5 And specifically I want you to look at the</p> <p>6 second line from the bottom, October 29, 2015.</p> <p>7 How much? 399 related to pelvic</p> <p>8 implants. What for? Gift from Caldera</p> <p>9 Medical, Inc.</p> <p>10 Do you see that?</p> <p>11 A. Yeah.</p> <p>12 Q. Does that refresh your recollection as to</p> <p>13 whether or not you've actually received any</p> <p>14 payments from Caldera Medical in the last five</p> <p>15 years?</p> <p>16 A. I don't remember receiving a gift. I know it</p> <p>17 hasn't -- it hasn't been that long, but I</p> <p>18 don't remember what that was. It would have</p> <p>19 been something to do with slings. It escapes</p> <p>20 me. Sorry.</p> <p>21 Q. So did you receive a payment or payment in</p> <p>22 kind from Caldera Medical of \$399 on</p> <p>23 October 29th of 2015 or not?</p> <p>24 A. I -- I don't remember. That seems like an odd</p>
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<p>1 I've made a lot of money, but I don't -- good</p> <p>2 grief.</p> <p>3 Q. I'm going to hand you what has been marked as</p> <p>4 Exhibit No. 5 to your deposition.</p> <p>5 (Deposition Exhibit No. 5 was marked for</p> <p>6 identification.)</p> <p>7 BY MR. FAES:</p> <p>8 Q. And this is a document called Dollars for Docs</p> <p>9 pulled off the ProPublica website.</p> <p>10 Have you ever seen this document before?</p> <p>11 A. (Examining document) I have not.</p> <p>12 Q. This document indicates that you received 84</p> <p>13 separate payments for a total of \$16,450 from</p> <p>14 15 different companies in 2015.</p> <p>15 Do you see that?</p> <p>16 A. On the front page, yes.</p> <p>17 Q. Do you have any reason to dispute the accuracy</p> <p>18 of this report?</p> <p>19 A. Again, I'm not familiar with this, and I don't</p> <p>20 know where they got the information from, so</p> <p>21 with -- I don't -- I can't testify to how</p> <p>22 accurate this is.</p> <p>23 Q. Are you aware that you can go onto this</p> <p>24 website and dispute any payments that you feel</p>	<p>1 number to me, 399.</p> <p>2 Q. Do you have any reason, as you sit here today,</p> <p>3 to dispute the accuracy of this report?</p> <p>4 A. Only because I don't remember it, so that</p> <p>5 would be my reason to dispute that, but I --</p> <p>6 this isn't ringing a bell for me.</p> <p>7 MS. KATZ GERSTEL: I just want to place</p> <p>8 an objection to using this document. I don't</p> <p>9 know what the source of the information is or</p> <p>10 if it's been verified.</p> <p>11 BY MR. FAES:</p> <p>12 Q. Do you know whether or not there is actually a</p> <p>13 government website called CMS.gov that tracks</p> <p>14 the payments that doctors receive from medical</p> <p>15 and device companies?</p> <p>16 A. I know that there is a website related to the</p> <p>17 so-called Sunshine Act. I've not visited that</p> <p>18 website, but it -- maybe you have.</p> <p>19 Q. Do you know that you can go to the CMS</p> <p>20 websites and dispute any information that they</p> <p>21 have with regard to a particular physician?</p> <p>22 A. I've had no reason to visit their website, but</p> <p>23 that's news to me.</p> <p>24 Q. I'm going to hand you what's been marked as</p>

25 (Pages 94 to 97)



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<p>1 Exhibit 6 to your deposition, and this is</p> <p>2 actually a partial report from the CMS.gov</p> <p>3 website for you for the same year, 2015.</p> <p>4 (Deposition Exhibit No. 6 was marked for</p> <p>5 identification.)</p> <p>6 BY MR. FAES:</p> <p>7 Q. Do you see that at the top of the page Ted M.</p> <p>8 Roth, your name?</p> <p>9 A. Yes.</p> <p>10 Q. And if you turn to the second page of this,</p> <p>11 this actually shows that you received two</p> <p>12 payments from Caldera Medical, Inc., for a</p> <p>13 total of \$750.54 in 2015.</p> <p>14 Do you see that?</p> <p>15 A. Up at the top of the second page, yes.</p> <p>16 Q. Does that refresh your recollection about</p> <p>17 whether you received any payments from Caldera</p> <p>18 Medical, Inc., in 2015?</p> <p>19 A. I'd have to go -- I mean, this is news to me.</p> <p>20 I'd have to go look at my taxes from that year</p> <p>21 and see if that were the case. I don't</p> <p>22 remember being paid by Caldera.</p> <p>23 Q. Well, you understand that this would also</p> <p>24 include any kind of expense reimbursement</p>	<p>1 in 2005, correct?</p> <p>2 A. 2005?</p> <p>3 Q. Or 2015. I apologize.</p> <p>4 A. Yeah, it says 84 payments for 2015.</p> <p>5 Q. If that's accurate, that would indicate that</p> <p>6 you received some kind of payment from a</p> <p>7 medical or device company nearly one out of</p> <p>8 every four days in 2015; is that accurate?</p> <p>9 MS. KATZ GERSTEL: Objection.</p> <p>10 A. I think that's -- that's correct math. It's</p> <p>11 surprising to me.</p> <p>12 BY MR. FAES:</p> <p>13 Q. I'm going to hand you what's been marked as</p> <p>14 Exhibit No. 7 to your deposition.</p> <p>15 (Deposition Exhibit No. 7 was marked for</p> <p>16 identification.)</p> <p>17 BY MR. FAES:</p> <p>18 Q. And this is the ProPublica report for you for</p> <p>19 the year of 2014. I know it's a little</p> <p>20 difficult to follow, but you see the second</p> <p>21 line 2014 is in a different color, so this is</p> <p>22 the 2014 report.</p> <p>23 Do you see that?</p> <p>24 A. Yes.</p>
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<p>1 or in-kind payment?</p> <p>2 A. I mean, I've eaten with the reps, so it's</p> <p>3 conceivable that that's what, you know, this</p> <p>4 dollar amount is reflecting.</p> <p>5 Q. So you'd agree that it's possible that you did</p> <p>6 receive \$750.54 from Caldera Medical in</p> <p>7 2015, either in terms of payments or</p> <p>8 reimbursement for expenses; you just can't</p> <p>9 remember one way or another?</p> <p>10 MS. KATZ GERSTEL: Objection.</p> <p>11 A. I mean, I don't remember being handed a check</p> <p>12 by Caldera, but I remember eating with the</p> <p>13 rep. So I guess my answer is yes.</p> <p>14 BY MR. FAES:</p> <p>15 Q. And you also see that there is on the same</p> <p>16 page four payments from Smith &amp; Nephew,</p> <p>17 Incorporated, for \$218.83?</p> <p>18 A. Yes.</p> <p>19 Q. Is that -- actually, I think you stated that</p> <p>20 you did remember being paid by Smith &amp; Nephew,</p> <p>21 so I have no further questions on that.</p> <p>22 If you go back to page 5 or Exhibit</p> <p>23 No. 5, the first page? This indicates that</p> <p>24 you received a total of 84 separate payments</p>	<p>1 Q. And this indicates that in 2014 you received</p> <p>2 65 different payments from pharmaceutical and</p> <p>3 medical device companies for a total \$12,835,</p> <p>4 correct?</p> <p>5 A. Yeah, that's what it says.</p> <p>6 Q. And if you turn to the second page, it states</p> <p>7 that you received \$8,619 for consulting in</p> <p>8 three separate payments.</p> <p>9 Do you see that?</p> <p>10 A. I do.</p> <p>11 Q. And if you go down to drug and devices in</p> <p>12 2014, it states that the product name for that</p> <p>13 \$8,619 is other.</p> <p>14 Do you see that?</p> <p>15 A. I do.</p> <p>16 Q. Do you have any idea what that would be</p> <p>17 referring to in 2014?</p> <p>18 If it helps, you can turn to Page 3 of 6,</p> <p>19 and it indicates that that \$3,938 actually</p> <p>20 came from Ethicon US, LLC.</p> <p>21 Do you see that? And it was on May 9th</p> <p>22 of 2014.</p> <p>23 A. Yes.</p> <p>24 Q. Does that refresh your recollection of what</p>

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<p>1 that payment would be for?</p> <p>2 A. I may have -- it's very possible that that was</p> <p>3 one of the Bangor proctorships that we did,</p> <p>4 and then we had to go back and do it again.</p> <p>5 My guess is that that relates to two</p> <p>6 trips in a short amount of time that I had to</p> <p>7 do to Bangor to get a doctor trained on TVT-O.</p> <p>8 MS. KATZ GERSTEL: The same objection to</p> <p>9 the Exhibit 7 that I made to Exhibit 5.</p> <p>10 MR. FAES: What's the objection?</p> <p>11 MS. KATZ GERSTEL: That I don't know this</p> <p>12 information, if it's been verified.</p> <p>13 MR. FAES: Well, that's why I'm asking</p> <p>14 the doctor questions. I'm asking him to</p> <p>15 verify it.</p> <p>16 A. Yeah. My guess is that those payments relate</p> <p>17 to, again, to two programs I did in Bangor in</p> <p>18 a short amount of time.</p> <p>19 BY MR. FAES:</p> <p>20 Q. As you sit here today, do you have any reason</p> <p>21 to dispute that you were paid \$8,880.75 by</p> <p>22 Ethicon in 2014?</p> <p>23 A. I don't know how accurate the numbers are, but</p> <p>24 I don't have a reason to dispute it at the</p>	<p>1 Q. Page 5, paragraph 11.</p> <p>2 A. You said Exhibit 1, correct?</p> <p>3 Q. Yes.</p> <p>4 A. Oh, okay. Well, as I answered earlier, this</p> <p>5 is the first time I'm seeing this -- the</p> <p>6 record or notice to take my deposition, and I</p> <p>7 think Diana earlier said that she only filed</p> <p>8 it yesterday, so...</p> <p>9 Q. So you'd agree that you didn't bring any of</p> <p>10 the documents requested that are responsive to</p> <p>11 request No. 11 here with you today?</p> <p>12 A. No.</p> <p>13 MS. KATZ GERSTEL: I'm just going to</p> <p>14 object and say that counsel's filed a response</p> <p>15 to this notice.</p> <p>16 BY MR. FAES:</p> <p>17 Q. You'd agree that you haven't made any attempt</p> <p>18 to comply with the federal rules and attempt</p> <p>19 to see if you have any documents responsive to</p> <p>20 request No. 11 in your possession, correct?</p> <p>21 MS. KATZ GERSTEL: Objection.</p> <p>22 A. I'm pretty sure I have the documents at home,</p> <p>23 but again, this is the first I'm seeing this</p> <p>24 notice to take my deposition. So, no, I did</p>
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<p>1 same time.</p> <p>2 Q. Well, those -- the actual amounts that you</p> <p>3 were paid by Ethicon, LLC, in 2014 would be</p> <p>4 reflected in any 1099s that you would have</p> <p>5 received from Ethicon and Johnson &amp; Johnson</p> <p>6 for that year, correct?</p> <p>7 A. Yeah. I think that's how it works.</p> <p>8 Q. Can you turn to --</p> <p>9 A. Do you have my 1099?</p> <p>10 Q. -- Exhibit No. 1? Go back to Exhibit No. 1,</p> <p>11 and I'm going to have you look at page No. 5</p> <p>12 of that.</p> <p>13 A. Page 5? Okay.</p> <p>14 Q. Mm-hmm. And specifically on page number 5.</p> <p>15 No. 11, one of the requests that we made for</p> <p>16 you to bring today was copies of Schedule C</p> <p>17 and Form 1099 of your tax records for the</p> <p>18 preceding five tax years, as well as any other</p> <p>19 documentation that reflects consulting and/or</p> <p>20 expert fees charged to defendants.</p> <p>21 Do you see that?</p> <p>22 A. I'm sorry, you said under 11?</p> <p>23 Q. Mm-hmm.</p> <p>24 A. I see letters I, J, K and L.</p>	<p>1 not bring those documents today.</p> <p>2 MR. FAES: Okay. We would request that</p> <p>3 those documents be provided to us within the</p> <p>4 next 30 days.</p> <p>5 MS. KATZ GERSTEL: And I'm just going to</p> <p>6 say again that we filed a response to this</p> <p>7 notice.</p> <p>8 MR. FAES: So is it your position that</p> <p>9 you don't have to produce the items in --</p> <p>10 requested in request No. 11 to our notice?</p> <p>11 MS. KATZ GERSTEL: I'm just going to</p> <p>12 reiterate that we have filed a response to</p> <p>13 this notice and to request No. 11.</p> <p>14 MR. FAES: Go off the record for just a</p> <p>15 second.</p> <p>16 (Off-the-record colloquy.)</p> <p>17 BY MR. FAES:</p> <p>18 Q. Doctor, we are back on the record after a</p> <p>19 short break.</p> <p>20 Are you ready to proceed?</p> <p>21 A. Sure. Yes.</p> <p>22 Q. Doctor, earlier I think you agreed that you</p> <p>23 first became a consultant or preceptor for</p> <p>24 Ethicon and Johnson &amp; Johnson in 2006?</p>

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<p>1 A. To the best of my recollection, yes.</p> <p>2 Q. Do you know if you had a contract with Ethicon</p> <p>3 and Johnson &amp; Johnson for every year beginning</p> <p>4 in 2006?</p> <p>5 A. My recollection is that they would have me</p> <p>6 sign a contract every year.</p> <p>7 Q. Okay. Well, I'll represent to you that we</p> <p>8 have gone through the documents provided by</p> <p>9 Ethicon and Johnson &amp; Johnson. We've only</p> <p>10 been able to locate your contracts for the</p> <p>11 year 2009 and 2011.</p> <p>12 MR. FAES: So I would make a request to</p> <p>13 counsel that we be provided with all of the</p> <p>14 other years of Dr. Roth's contracts.</p> <p>15 BY MR. FAES:</p> <p>16 Q. Doctor, I'm going to hand you what's been</p> <p>17 marked as Exhibit No. 8 to your deposition.</p> <p>18 (Deposition Exhibit No. 8 was marked for</p> <p>19 identification.)</p> <p>20 BY MR. FAES:</p> <p>21 Q. And does this appear to be a contract with you</p> <p>22 dated April 30th of 2009?</p> <p>23 A. It does.</p> <p>24 Q. You can turn -- I know you're a newbie at</p>	<p>1 Q. And if that changes at any time during the</p> <p>2 course of my questioning, let me know.</p> <p>3 Do you recall that there was some</p> <p>4 controversy between you and the institution</p> <p>5 regarding the signing of this particular</p> <p>6 contract?</p> <p>7 MS. KATZ GERSTEL: Object to form.</p> <p>8 A. I don't -- I'm not too sure what you mean by</p> <p>9 controversy. I think that my institution</p> <p>10 wanted to look into whatever liability they</p> <p>11 might, you know, be involved with me</p> <p>12 proctoring, but I don't know that there was</p> <p>13 controversy.</p> <p>14 BY MR. FAES:</p> <p>15 Q. Do you recall whether someone at your</p> <p>16 institution actually made a request to Ethicon</p> <p>17 and Johnson &amp; Johnson that changes be made to</p> <p>18 this contract in order for you to be able to</p> <p>19 sign it?</p> <p>20 A. Knowing my institution, I certainly would not</p> <p>21 be surprised by something like that, but I --</p> <p>22 I don't remember the specifics.</p> <p>23 Q. Do you recall if anybody at your institution</p> <p>24 expressed concerns that a contract like this</p>
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<p>1 this, but these are called Bates numbers down</p> <p>2 at the bottom, these ETH numbers. If you</p> <p>3 could turn to the page ending in 0278?</p> <p>4 A. (Examining document) Yeah.</p> <p>5 Q. And I realize the quality of the copy is</p> <p>6 terrible here, but does that appear to have</p> <p>7 been signed by you and by Ethicon?</p> <p>8 A. I can definitely see where Ethicon signed</p> <p>9 something. I can't see anything that remotely</p> <p>10 resembles my really awful signature there, but</p> <p>11 it looks like a contract that was typical of</p> <p>12 Johnson &amp; Johnson that I would have signed.</p> <p>13 Q. Do you have any reason to dispute whether or</p> <p>14 not this was -- well, actually if you turn to</p> <p>15 the page 0277.</p> <p>16 And it appears that -- there again, the</p> <p>17 quality is still bad, but it's a little bit</p> <p>18 better. It appears to have been signed by</p> <p>19 someone at Central Maine Medical Center?</p> <p>20 A. Right.</p> <p>21 Q. Do you have reason to dispute that this is --</p> <p>22 whether or not this was the contract that you</p> <p>23 actually signed in April of 2009?</p> <p>24 A. This looks like it.</p>	<p>1 might be construed as you getting sort of --</p> <p>2 and he used the word -- kickbacks from Ethicon</p> <p>3 and Johnson &amp; Johnson for using their</p> <p>4 products?</p> <p>5 MS. KATZ GERSTEL: Object to form.</p> <p>6 A. Not that I'm aware of.</p> <p>7 BY MR. FAES:</p> <p>8 Q. You're not aware of that?</p> <p>9 A. I'm not aware of that communication or</p> <p>10 whatever you may be referring to.</p> <p>11 Q. You can turn to the page labeled Exhibit A,</p> <p>12 and the ending Bates number on that is 0279.</p> <p>13 A. Okay.</p> <p>14 Q. And you can see that this particular contract</p> <p>15 in 2009 under section four calls for you to be</p> <p>16 paid \$3,000 for each eight-hour day.</p> <p>17 Do you see that?</p> <p>18 A. Yes.</p> <p>19 Q. Is that an accurate representation of the fees</p> <p>20 that you agreed to be paid by Ethicon and</p> <p>21 Johnson &amp; Johnson for your services?</p> <p>22 A. Yes.</p> <p>23 Q. You can turn to the following page at the</p> <p>24 bottom, Section B. It states that this</p>

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<p>1 contract is for up to \$33,000 a year.</p> <p>2 Do you see that?</p> <p>3 MS. KATZ GERSTEL: Object to form.</p> <p>4 A. Payments for consulting should not exceed</p> <p>5 \$33,000 per year, yes.</p> <p>6 BY MR. FAES:</p> <p>7 Q. So you'd agree that this contract that you</p> <p>8 signed in 2009 provides for you to be paid up</p> <p>9 to \$33,000 from Ethicon and Johnson &amp; Johnson</p> <p>10 as a consultant, correct?</p> <p>11 MS. KATZ GERSTEL: Object to form.</p> <p>12 A. Up to that amount, yes.</p> <p>13 BY MR. FAES:</p> <p>14 Q. If you could turn to the page ending in 0275?</p> <p>15 A. 75.</p> <p>16 Q. And I specifically want to ask you about a</p> <p>17 section in paragraph 12?</p> <p>18 A. (Examining document) Twelve. Okay.</p> <p>19 Q. Starting on the seventh line down, starting</p> <p>20 with the word it states -- with the word you</p> <p>21 it states: You shall not make any</p> <p>22 representation relating to companies' products</p> <p>23 or to companies' clinical outcomes unless such</p> <p>24 representations have been reviewed and</p>	<p>1 0283 that I want you to look at.</p> <p>2 And you see that there's an addendum to</p> <p>3 this contract?</p> <p>4 A. (Examining document) Okay.</p> <p>5 Q. Do you recall whether this was an addendum</p> <p>6 that someone from your institution at Central</p> <p>7 Maine Medical Center requested be made to the</p> <p>8 contract?</p> <p>9 A. I don't remember the specifics, but it</p> <p>10 mentions Laird Covey, who was, I think at that</p> <p>11 point -- he's retired now -- president of the</p> <p>12 medical center, and this must have been</p> <p>13 something that they felt like they needed to</p> <p>14 put into my contract.</p> <p>15 Q. Well, just to help you out, Doctor, and move</p> <p>16 things along, if you can turn to page ending</p> <p>17 in 0277, and that's actually -- that will</p> <p>18 actually show you the original section of</p> <p>19 22-B. It actually starts on the previous</p> <p>20 page.</p> <p>21 But I will represent to you that the</p> <p>22 portion that has been changed is that the</p> <p>23 sentence at the top of 0277, in conducting</p> <p>24 other activities, you will not take a position</p>
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<p>1 approved in advance by a company.</p> <p>2 Do you see that?</p> <p>3 A. I do.</p> <p>4 Q. Is that a clause in this contract that you</p> <p>5 agreed to when you signed the contract?</p> <p>6 A. As far as I remember, yes.</p> <p>7 Q. So you'd agree that according to the clause in</p> <p>8 this contract, if you felt that the safety or</p> <p>9 efficacy rates of the TVT or TVT-O products,</p> <p>10 for example, were different from what the</p> <p>11 company wanted you to communicate regarding</p> <p>12 the safety and efficacy rates, you would be</p> <p>13 prohibited from communicating those rates</p> <p>14 during your precepting opportunities per</p> <p>15 this contract, correct?</p> <p>16 MS. KATZ GERSTEL: Objection.</p> <p>17 A. As far as I could understand the language</p> <p>18 here, I would be -- I would not be able to</p> <p>19 make any representation or claims that had not</p> <p>20 been reviewed probably by J &amp; J legal, so</p> <p>21 correct.</p> <p>22 BY MR. FAES:</p> <p>23 Q. If you can turn to the page of this contract</p> <p>24 ending in 0281. Strike that. It's actually</p>	<p>1 or represent interests that conflict with</p> <p>2 Ethicon's interest during the initial term or</p> <p>3 any extended term of this agreement, is</p> <p>4 actually the clause that your -- that was</p> <p>5 struck in this addendum.</p> <p>6 Do you have any recollection of that</p> <p>7 being removed from your contract at the</p> <p>8 request of your institution?</p> <p>9 A. I don't.</p> <p>10 Q. Do you believe that that is an appropriate</p> <p>11 request of Ethicon and Johnson &amp; Johnson to</p> <p>12 ask of their consultants, that in conducting</p> <p>13 other activities, you will not take a position</p> <p>14 or represent interests that conflict with</p> <p>15 Ethicon's interest during your initial term or</p> <p>16 any extended term of this agreement?</p> <p>17 MS. KATZ GERSTEL: Objection.</p> <p>18 A. I mean, I think it would be reasonable for my</p> <p>19 medical facility to ask the same thing of me,</p> <p>20 to not take a contrary interest or an interest</p> <p>21 contrary to -- to their benefit. So it stands</p> <p>22 to reason that Ethicon would take a similar</p> <p>23 stance.</p> <p>24 BY MR. FAES:</p>

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<p>1 Q. So do you think it was unreasonable for your 2 medical center, Central Maine Medical Center, 3 to ask for that provision to be removed from 4 your contract prior to you signing? 5 MS. KATZ GERSTEL: Objection. 6 A. I -- you know, I wasn't really privy to the 7 decision-making regarding this contract, and 8 I'm not too sure I can really, you know, 9 comment on that. 10 BY MR. FAES: 11 Q. So it's your testimony that you weren't privy 12 to the decision-making regarding this 13 contract? 14 You don't recall anything in writing 15 regarding -- taking place regarding this 16 contract? 17 MS. KATZ GERSTEL: Object to form. 18 A. This is 2009, eight years ago. I really don't 19 remember the specifics. I don't know what 20 prompted this addendum. I -- I honestly don't 21 remember. 22 BY MR. FAES: 23 Q. Do you recall whether or not anyone at your 24 facility at Central Maine Medical Center also</p>	<p>1 identification.) 2 BY MR. FAES: 3 Q. And looking at the top page of this, this 4 appears to be an e-mail from you to a Steve 5 Gauthier and James Hagen, dated Saturday, 6 March 14th of 2009. 7 Do you see that? 8 A. (Examining document) Yes. 9 Q. And it appears that you would have been privy 10 to this entire e-mail string, correct? 11 A. Well, my -- yeah. My name's on it, and -- 12 wow. Okay. 13 Q. And who is Steve Gauthier? 14 A. He's someone who recently was asked to resign 15 from CMMC. He was involved with contracts. I 16 don't know what his -- whether he was an 17 attorney or whether he was a high school -- I 18 have no idea what his background was, but he 19 was involved with contracts at one point. 20 Q. Who's James Hagen? 21 A. James Hagan was a former -- he ran the 22 specialty -- I think he was specialty 23 practices manager. I'm not too sure, you 24 know, what his title was at the medical</p>
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<p>1 expressed a concern with regard to this 2 contract that certain provisions of it might 3 be construed that you would be unable to 4 recommend a competitor's product, such as an 5 AMS Sparc or Monarc or Boston Scientific sling 6 according to the terms of this contract? 7 MS. KATZ GERSTEL: Objection. 8 A. You know, I don't know. I mean, the 9 fascinating thing is that the majority of 10 proctors that I know for J &amp; J were also 11 proctors for competitors' products. I myself 12 just, you know, stuck with J &amp; J. 13 Personally I would be -- I would find it 14 difficult to, you know, one week proctor 15 someone on a J &amp; J sling and the next week 16 proctor them on an AMS sling and, you know, 17 make any sort of claims about, you know, which 18 one was better. But many of my colleagues 19 work for multiple device companies and had no 20 problem with that. 21 BY MR. FAES: 22 Q. Doctor, I'm going to hand you what's been 23 marked as Exhibit No. 9 to your deposition. 24 (Deposition Exhibit No. 9 was marked for</p>	<p>1 center. He's retired. 2 Q. So he was an employee of Central Maine Medical 3 Center, correct? 4 A. He was. 5 Q. Who is Laird Covey? 6 A. Also retired. I think his title was president 7 of Central Maine Medical Center. 8 Q. And who is Lisa Ledoux? 9 A. Lisa Ledoux is no longer working at CMMC. She 10 was -- she was employed under James Hagen. 11 She was managing director of surgical 12 specialty practices. 13 Q. And if I could have you turn to the last page 14 of this document, and it actually goes kind of 15 in reverse chronological order. So I think 16 we're looking at actually the first e-mail in 17 the string because it goes backward. 18 And if you look there, there is an e-mail 19 from Steve Gauthier dated 3/5 of 2009 where it 20 goes to Lisa Ledoux. And he states: I have 21 reviewed this agreement and have some 22 concerns. I need to see whether we have any 23 special language in Ted Roth's contract that 24 would address his ability to retain comp aside</p>

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<p>1 from his traditional MD duties. Do you have a</p> <p>2 copy of his contract?</p> <p>3 Do you see that?</p> <p>4 A. (Examining document) Yes.</p> <p>5 Q. And then above you see the reply, that his</p> <p>6 contract, meaning your contract, says that he</p> <p>7 can -- that he may earn outside compensation</p> <p>8 as long as he receives written permission from</p> <p>9 Jim. What we would like to suggest is that</p> <p>10 the contract be drafted between CMMC and</p> <p>11 Ethicon and that the money comes directly to</p> <p>12 us. Once we receive it, we can issue a</p> <p>13 teaching stipend to Dr. Roth that is cleaner</p> <p>14 for everyone.</p> <p>15 Do you see that?</p> <p>16 A. I see that.</p> <p>17 Q. Do you recall whether that was actually what</p> <p>18 occurred under your contract that was signed</p> <p>19 in April of 2009?</p> <p>20 Did the payments go to your institution</p> <p>21 and then they paid you, or did the payments go</p> <p>22 directly to you?</p> <p>23 A. No, the payments went directly to me.</p> <p>24 Q. If you turn to the page ending in 6016, you</p>	<p>1 whether personnel at Central Maine Medical</p> <p>2 Center felt that your consulting contract as</p> <p>3 initially written could potentially look like</p> <p>4 a kickback?</p> <p>5 A. In, you know, eight years almost to the date,</p> <p>6 I don't remember the specific language of</p> <p>7 this. There's a lot of communication between</p> <p>8 these administrators, and I haven't seen my</p> <p>9 e-mail part of this thread yet, but...</p> <p>10 Q. So do you recall responding to this and trying</p> <p>11 to defend this contract as not being an actual</p> <p>12 kickback as someone at -- as James Hagen at</p> <p>13 Central Medical Center felt?</p> <p>14 A. Well, I'm sure that it's here someplace,</p> <p>15 because most people know me to be relatively</p> <p>16 vocal about my opinions. So I'm sure I</p> <p>17 responded at some point.</p> <p>18 MS. KATZ GERSTEL: Could the doctor have</p> <p>19 a moment to read over this?</p> <p>20 MR. FAES: Sure. Would now be a good</p> <p>21 time to take our lunch break, and we can come</p> <p>22 back?</p> <p>23 MS. KATZ GERSTEL: Okay.</p> <p>24 MR. FAES: Okay.</p>
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<p>1 can see an e-mail from James S. Hagen, who is</p> <p>2 apparently the vice-president of Physician</p> <p>3 Practices at Central Maine Healthcare.</p> <p>4 Do you see that?</p> <p>5 A. Yeah.</p> <p>6 Q. Do you know James Hagen?</p> <p>7 A. I knew him. He's retired now.</p> <p>8 Q. And is he -- is he a medical doctor?</p> <p>9 A. James Hagen was not a medical doctor. He was</p> <p>10 not a clinician, no.</p> <p>11 Q. What was James Hagan's role within Central</p> <p>12 Maine Medical Center?</p> <p>13 A. Vice-president of physician practices.</p> <p>14 Q. And you can see that on this date James Hagen</p> <p>15 writes: The contract as written pretty much</p> <p>16 looks like a kickback and has a host of things</p> <p>17 wrong, including it is unclear as to the value</p> <p>18 of services being paid for, specifically since</p> <p>19 the majority of the compensation is coming</p> <p>20 from duties being performed that are already</p> <p>21 part of Dr. Roth's duties.</p> <p>22 Do you see that?</p> <p>23 A. I do.</p> <p>24 Q. Does this refresh your recollection as to</p>	<p>1 (Lunch recess taken.)</p> <p>2 BY MR. FAES:</p> <p>3 Q. Doctor, we're back on the record after a lunch</p> <p>4 break.</p> <p>5 Are you ready to proceed?</p> <p>6 A. Yes.</p> <p>7 Q. Before we took a break we were talking about</p> <p>8 an exhibit, which is an e-mail chain regarding</p> <p>9 your employment contract with Ethicon and</p> <p>10 Johnson &amp; Johnson, correct?</p> <p>11 A. Correct.</p> <p>12 Q. What exhibit number is that?</p> <p>13 A. Nine.</p> <p>14 Q. So if you look at Exhibit No. 9, it appears</p> <p>15 that you reply on the first page of this and</p> <p>16 attempt to defend the contract stating that</p> <p>17 you -- I will provide you with my J &amp; J</p> <p>18 employment contract ASAP. You will</p> <p>19 see that there are no kickbacks or sham,</p> <p>20 slash, under-the-table consulting payments</p> <p>21 occurring. I only get paid for these teaching</p> <p>22 obligations that were -- are outlined in the</p> <p>23 formal employment contract.</p> <p>24 Do you see that?</p>

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<p>1 A. Yes.</p> <p>2 Q. And further on in that same sentence you state</p> <p>3 that these products are FDA approved.</p> <p>4 Do you see that?</p> <p>5 A. Yes.</p> <p>6 Q. What products are you referring to that you</p> <p>7 believe are FDA approved?</p> <p>8 A. The -- I mean, at this point in 2009, we were</p> <p>9 doing slings for J &amp; J, as well as Prolift.</p> <p>10 Q. So you believe that the TVT and TVT-O are FDA</p> <p>11 approved?</p> <p>12 A. As far as I know, yes.</p> <p>13 Q. Do you understand that there is a difference</p> <p>14 between approval and clearance?</p> <p>15 A. I think I used the terms interchangeably.</p> <p>16 Q. So when you were a preceptor for Ethicon and</p> <p>17 Johnson &amp; Johnson during your preceptoring</p> <p>18 sessions, were you telling other physicians</p> <p>19 that the TVT and TVT-O devices were FDA</p> <p>20 approved?</p> <p>21 MS. KATZ GERSTEL: Object to form.</p> <p>22 A. I was probably using that language, yes.</p> <p>23 BY MR. FAES:</p> <p>24 Q. No one at Ethicon and Johnson &amp; Johnson ever</p>	<p>1 their patients, a lot of those physicians</p> <p>2 would send their patients to you for treatment</p> <p>3 of those complications; is that accurate?</p> <p>4 MS. KATZ GERSTEL: Objection.</p> <p>5 A. I mean, they might send me their</p> <p>6 complications, yes.</p> <p>7 BY MR. FAES:</p> <p>8 Q. And that's an important part of your practice.</p> <p>9 In fact, that's -- 40 percent of your practice</p> <p>10 is redoing slings for failures, correct?</p> <p>11 MS. KATZ GERSTEL: Objection.</p> <p>12 A. Yes.</p> <p>13 BY MR. FAES:</p> <p>14 Q. So it just makes good business sense to</p> <p>15 continue to train other physicians as a</p> <p>16 proctor or preceptor for Ethicon and Johnson &amp;</p> <p>17 Johnson, correct?</p> <p>18 MS. KATZ GERSTEL: Objection.</p> <p>19 A. I don't know whether it makes good business</p> <p>20 sense to continue to train physicians. I</p> <p>21 wasn't actively seeking their complications or</p> <p>22 their -- or their business. I think, you</p> <p>23 know, it's a small state, and we developed,</p> <p>24 you know, a rapport and relationships. And I</p>
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<p>1 told you that that was incorrect or may be a</p> <p>2 violation of the law to represent their</p> <p>3 products as FDA approved rather than FDA</p> <p>4 cleared?</p> <p>5 MS. KATZ GERSTEL: Objection.</p> <p>6 A. Not that I'm aware of. I guess I don't</p> <p>7 understand the difference between FDA</p> <p>8 clearance and FDA approval.</p> <p>9 BY MR. FAES:</p> <p>10 Q. Fair enough. And further down on the -- I</p> <p>11 think it's the second from the bottom</p> <p>12 paragraph you state: I've trained doctors who</p> <p>13 would ordinarily refer their patients, slash,</p> <p>14 their complications, to doctors in their own</p> <p>15 networks, EMMC and MMC, but because of</p> <p>16 relationships that I've built with them, when</p> <p>17 they come to CMMC for teaching, they send</p> <p>18 those patients to me.</p> <p>19 Do you see that?</p> <p>20 A. Mm-hmm.</p> <p>21 Q. So one of the benefits of continuing to be a</p> <p>22 preceptor and training other physicians on the</p> <p>23 use of slings, such as the TVT and the TVT-O,</p> <p>24 is that when they have complications with</p>	<p>1 think that's sort of, you know, what that --</p> <p>2 what that comment in the e-mail was about.</p> <p>3 I certainly was not looking to develop a</p> <p>4 mesh complication business.</p> <p>5 BY MR. FAES:</p> <p>6 Q. So you weren't necessarily looking to have</p> <p>7 those referrals, but you understood at that</p> <p>8 time in 2009 that that was something that was</p> <p>9 occurring because a lot of the physicians that</p> <p>10 you were training were referring their</p> <p>11 complications to you, correct?</p> <p>12 A. Yeah. I mean, I've been in the state since</p> <p>13 2005, and I was getting complications referred</p> <p>14 to me by physicians, you know, prior to 2009.</p> <p>15 I was getting failed incontinence procedures</p> <p>16 prior to 2009, whether those be Burch</p> <p>17 procedures or slings.</p> <p>18 Q. I'm going to hand you what's been marked as</p> <p>19 Exhibit No. 10 to your deposition.</p> <p>20 (Deposition Exhibit No. 10 was marked for</p> <p>21 identification.)</p> <p>22 BY MR. FAES:</p> <p>23 Q. And this is another contract between --</p> <p>24 another consulting contract between you and</p>

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<p>1 Ethicon and Johnson &amp; Johnson, dated</p> <p>2 February 1st of 2011; is that correct?</p> <p>3 A. Yes.</p> <p>4 Q. And if you turn to Exhibit B, page ending in</p> <p>5 6960, is that your signature and date of</p> <p>6 January 6, 2011, there?</p> <p>7 A. Yes.</p> <p>8 Q. And if you can turn to page -- the page before</p> <p>9 that ending in 6959, under Section B you see</p> <p>10 again that this contract has a maximum value</p> <p>11 of \$33,000 per year, correct?</p> <p>12 MS. KATZ GERSTEL: Objection.</p> <p>13 A. Yes.</p> <p>14 BY MR. FAES:</p> <p>15 Q. So again, this contract provides for you to be</p> <p>16 paid up to \$33,000 a year by Ethicon and</p> <p>17 Johnson &amp; Johnson for your consulting work</p> <p>18 with them, correct?</p> <p>19 MS. KATZ GERSTEL: Objection.</p> <p>20 A. Yes.</p> <p>21 BY MR. FAES:</p> <p>22 Q. And, Doctor, would you consider yourself an</p> <p>23 expert with regard to warnings for medical</p> <p>24 devices?</p>	<p>1 not only counsel their patients but also to</p> <p>2 decide whether they wanted to use that</p> <p>3 product.</p> <p>4 Q. Do you know what FDA standards govern what</p> <p>5 risk information medical device companies are</p> <p>6 required to put in their IFUs?</p> <p>7 A. I don't.</p> <p>8 Q. Do you know what industry standards govern</p> <p>9 what risk information companies are required</p> <p>10 to put in the IFUs?</p> <p>11 A. I don't.</p> <p>12 Q. Do you know what departments medical device --</p> <p>13 of a medical device company are involved in</p> <p>14 creating the warnings and precaution section</p> <p>15 or the adverse reaction section of an IFU?</p> <p>16 A. Not specifically, no.</p> <p>17 Q. Do you -- have you ever read any testimony</p> <p>18 from Ethicon employees regarding what</p> <p>19 Ethicon's position is on what needs to be in</p> <p>20 an IFU with regard to risk information?</p> <p>21 A. Not that I recall.</p> <p>22 Q. I think you already answered this earlier, but</p> <p>23 it's correct that you have never drafted an</p> <p>24 IFU for a medical device or assisted in</p>
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<p>1 A. Would I be -- I'm sorry -- an expert on</p> <p>2 warnings for medical devices in regards to how</p> <p>3 I counsel my patients regarding medical</p> <p>4 devices or an expert on what the FDA issued?</p> <p>5 I don't -- I don't know what you mean.</p> <p>6 Q. Do you consider yourself an expert with regard</p> <p>7 to what warnings should be included in the IFU</p> <p>8 or Instructions For Use for a medical device?</p> <p>9 A. I think I'm -- I would be -- I've never</p> <p>10 written an IFU, but I have written surgical</p> <p>11 textbooks, which are IFU-like in their extent.</p> <p>12 But I'm -- I guess I'm comfortable with the</p> <p>13 warnings in the IFUs as they pertain to TVT</p> <p>14 products.</p> <p>15 Q. Do you have an understanding of what risk</p> <p>16 information medical device companies are</p> <p>17 required to put in their IFUs?</p> <p>18 A. You mean by the FDA?</p> <p>19 Q. Well, I just mean in general do you have an</p> <p>20 understanding of what risk information medical</p> <p>21 device companies are required to put in their</p> <p>22 IFUs?</p> <p>23 A. I think it would be what reasonable physicians</p> <p>24 or implanters would need to know in order to</p>	<p>1 drafting an IFU for a medical device, correct?</p> <p>2 A. That's correct.</p> <p>3 Q. And is that answer the same with regard to a</p> <p>4 prescription drug?</p> <p>5 A. I've not been involved with physician or</p> <p>6 patient prescribing information for</p> <p>7 prescription drugs, no.</p> <p>8 Q. Would you agree that physicians should be made</p> <p>9 aware of all the significant safety risks</p> <p>10 associated with the product in the IFU or</p> <p>11 instructions for use?</p> <p>12 MS. KATZ GERSTEL: Object to form.</p> <p>13 A. Could you repeat the question? I'm sorry.</p> <p>14 BY MR. FAES:</p> <p>15 Q. Sure. Would you agree that physicians should</p> <p>16 be made aware of all of the significant safety</p> <p>17 risks associated with a medical device</p> <p>18 in the IFU or instructions for use for that</p> <p>19 product?</p> <p>20 A. I think that physicians should avail</p> <p>21 themselves of that information. The question</p> <p>22 I guess is when you say make aware of, I think</p> <p>23 that's -- the onus is the physician's</p> <p>24 responsibility.</p>

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<p>1 Q. Yeah. My question is a little different than</p> <p>2 that.</p> <p>3 A. Sorry.</p> <p>4 Q. My question is: Would you agree that the --</p> <p>5 that a physician should be made aware of the</p> <p>6 significant safety risks associated with a</p> <p>7 medical device in the IFU or instructions for</p> <p>8 use for that medical device?</p> <p>9 A. Yes.</p> <p>10 Q. Would you agree that the warnings and adverse</p> <p>11 reaction section of the TVT IFU should include</p> <p>12 all the significant risks and complications</p> <p>13 related to the use of the TVT or TVT-O?</p> <p>14 MS. KATZ GERSTEL: Object to form.</p> <p>15 A. I don't know. When you say -- when you say</p> <p>16 all, I think, you know, there are certain</p> <p>17 risks and complications that are known to</p> <p>18 physicians doing these surgeries. I don't</p> <p>19 know that you need an exhaustive list of every</p> <p>20 one of them for people who are -- are doing</p> <p>21 this.</p> <p>22 BY MR. FAES:</p> <p>23 Q. So you would disagree with the statement that</p> <p>24 the warnings and adverse reaction section of</p>	<p>1 case specifically regarding the design of the</p> <p>2 TVT or the TVT-O?</p> <p>3 A. In regards to?</p> <p>4 Q. Just the overall design.</p> <p>5 A. No.</p> <p>6 Q. You'd agree then -- well, strike that.</p> <p>7 Do you know what the standard is that a</p> <p>8 manufacturer must follow in designing a mesh</p> <p>9 product like the TVT or TVT-O?</p> <p>10 A. That sounds very broad to me. I'm not sure</p> <p>11 what you mean by the standard.</p> <p>12 Q. So are you aware of any standards or standards</p> <p>13 that a manufacturer must follow in designing a</p> <p>14 mesh product like the TVT or the TVT-O?</p> <p>15 MS. KATZ GERSTEL: Objection.</p> <p>16 A. In -- I'm sorry. In regards -- in regards to</p> <p>17 animal testing, sterilization techniques,</p> <p>18 manufacturing techniques? I don't know what</p> <p>19 you mean by standard. I'm sorry.</p> <p>20 BY MR. FAES:</p> <p>21 Q. Okay. Do you know how a medical device</p> <p>22 company goes about designing a device like the</p> <p>23 TVT or TVT-O?</p> <p>24 MS. KATZ GERSTEL: Object to form.</p>
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<p>1 the TVT IFU should include all the significant</p> <p>2 risks and complications related to the use of</p> <p>3 that device?</p> <p>4 A. I guess I'm just -- I have a difficulty with</p> <p>5 the use of the word all. That just sounds</p> <p>6 like an exhaustive list, and I don't know that</p> <p>7 it would make a difference. I mean, there</p> <p>8 are, you know, common -- commonly-known risks</p> <p>9 of midurethral slings that -- or any sort of</p> <p>10 anti-incontinence procedure that I don't know</p> <p>11 all need to be in the IFU.</p> <p>12 Q. Okay. So you believe that the IFU for the TVT</p> <p>13 and TVT-O does not necessarily need to include</p> <p>14 all the significant risks associated with the</p> <p>15 use of that device?</p> <p>16 A. That's correct.</p> <p>17 Q. Do you intend -- well, strike that.</p> <p>18 Do you consider yourself an expert on the</p> <p>19 design of medical devices?</p> <p>20 A. Not in the sense where -- I've not designed a</p> <p>21 medical device, but I'm familiar with sort of</p> <p>22 the history of the sling. But I'm not a</p> <p>23 biomedical engineer.</p> <p>24 Q. Are you going to offer any opinions in this</p>	<p>1 A. I mean, I know a little bit about the history</p> <p>2 of the TVT and sort of the ideas behind it and</p> <p>3 sort of how that came to -- to being. I don't</p> <p>4 know the specifics of, you know, once that</p> <p>5 idea was in J &amp; J's hands, how they then</p> <p>6 proceeded to do testing or set up</p> <p>7 manufacturing or things along those lines.</p> <p>8 BY MR. FAES:</p> <p>9 Q. You'd agree then you don't know what kind of</p> <p>10 experts are involved in designing a device</p> <p>11 like the TVT or TVT-O?</p> <p>12 MS. KATZ GERSTEL: Object to form.</p> <p>13 A. You said experts?</p> <p>14 BY MR. FAES:</p> <p>15 Q. Yes.</p> <p>16 A. You mean expertise or I'm not --</p> <p>17 Q. Would you agree that you don't know what</p> <p>18 kind of experts that Ethicon and</p> <p>19 Johnson &amp; Johnson or a company like Ethicon</p> <p>20 and Johnson &amp; Johnson would need to use or</p> <p>21 employ in designing a device like the TVT or</p> <p>22 TVT-O?</p> <p>23 MS. KATZ GERSTEL: Object to form.</p> <p>24 A. I mean, I could, you know, conjecture that</p>

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<p>1 they would need physicians, statisticians,  2 animal lab support, people, you know, in the  3 manufacturing end. I think, you know, those  4 are the types of experts that they would need  5 for the design and manufacture of a product  6 like the TVT.  7 BY MR. FAES:  8 Q. So you prefaced your answer with, you could  9 conjecture.  10 Would you agree that you don't actually  11 know what experts are involved. You're merely  12 making a conjecture; is what accurate?  13 A. I don't know who J &amp; J or Ethicon employed  14 to -- in the process of developing the TVT,  15 but my -- my guess would be it would be  16 multidisciplinary groups of people,  17 clinicians, surgeons, animal lab folks,  18 biomedical engineers, people in the  19 sterilization and manufacturing to have a  20 product like this.  21 Q. But again, you prefaced your answer with, you  22 would guess. So you're not stating that you  23 know. You're just making an educated guess or  24 conjecture, correct?</p>	<p>1 effects analysis?  2 A. Since I don't know what the design failure  3 effects and modes is, I don't know if the IFU  4 was part of that.  5 Q. Have you ever reviewed or are you familiar  6 with any of Ethicon's internal standard  7 operating procedures related to the design of  8 the medical -- of medical devices or  9 specifically the TVT and TVT-O?  10 A. No.  11 Q. Have you ever designed a medical device  12 yourself or helped design a medical device?  13 A. Nothing that went very far, no.  14 Q. So nothing that went very far.  15 What have you worked on?  16 A. I -- I had some ideas about a change in the  17 introduction mechanism for the InterStim, but  18 we didn't do anything with it, and I didn't --  19 I didn't really walk it up the flag pole, so  20 to speak.  21 Q. Do you know how long it takes to get a medical  22 device product to market?  23 A. I do not.  24 Q. Do you own any patents for the design of</p>
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<p>1 A. Correct.  2 Q. Do you know what a design history file is?  3 A. I do not.  4 Q. Did you review the design history file for the  5 TVT or TVT-O?  6 A. No.  7 Q. Do you know what a design failure modes and  8 effects analysis is?  9 A. No.  10 Q. Do you know what an application of failure  11 modes and effects analysis is?  12 A. No.  13 Q. Since you don't know what a design failure  14 modes effects analysis is or an application  15 modes failure analysis is, you would agree  16 that you wouldn't offer any opinions regarding  17 either of those analyses with regard to the  18 TVT or TVT-O, correct?  19 MS. KATZ GERSTEL: Object to form.  20 A. Correct.  21 BY MR. FAES:  22 Q. Do you know whether or not the warnings in the  23 IFU or instructions for use for the TVT and  24 TVT-O are part of the design failure modes</p>	<p>1 medical devices?  2 A. No.  3 Q. Are you familiar with industry standards that  4 govern medical device design?  5 MS. KATZ GERSTEL: Object to form.  6 A. No.  7 BY MR. FAES:  8 Q. In your expert -- your report, you state that  9 you've implanted about 1200 midurethral  10 slings.  11 Approximately how many midurethral slings  12 have you explanted or revised in your career?  13 A. Geez, anywhere from 100 to 200 maybe.  14 Q. So you believe that you've explanted or  15 revised somewhere between 100 and 200  16 midurethral slings for stress urinary  17 incontinence in the course of your career; is  18 that accurate?  19 A. Yeah.  20 Q. Could you be any more specific than that?  21 Do you know if it's more than 150 or less  22 than 150?  23 A. I -- it's not something I really keep track  24 of. I'm sorry.</p>

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<p>1 Q. Doctor, if I could have you look at your 2 expert report, which is marked as Exhibit 3 No. 2, and if I could have you look 4 specifically at page number 5 and the second 5 paragraph from the bottom where you state: 6 Midurethral sling operations have been the 7 most extensively researched surgical treatment 8 for SUI in women and have a good safety 9 profile. 10 Do you see that? 11 A. (Examining document) Yes. 12 Q. So I understand that you're making that 13 opinion regarding midurethral slings, that 14 they've been the most extensively researched 15 treatment for stress urinary incontinence in 16 women and have a good safety profile. 17 Are you making that same opinion 18 specifically about the TVT retropubic? 19 A. TVT retropubic would be amongst those sling 20 operations, and yes. 21 Q. Do you believe that the TVT retropubic sling 22 is the most extensively researched treatment 23 for SUI in the world? 24 Is that an opinion that you intend to</p>	<p>1 A. I mean, I haven't counted up individual RCTs. 2 The best data that we can go on are the 3 systematic analyses and the meta-analyses, and 4 unfortunately most of those group all 5 midurethral slings in together regardless of 6 manufacturer. 7 So I can't -- I can't give you a number 8 of, you know, how many women have had 9 retropubic TVTs, you know, how many randomized 10 controlled trials -- specifically how many 11 randomized controlled trials there are off the 12 top of my head specifically for retropubic 13 TVT. 14 But the best scientific literature in 15 support of the midurethral slings are from -- 16 not from randomized controlled trials but from 17 meta-analyses and the systematic analyses or 18 systematic analyses. And those group 19 midurethral slings in together. 20 Q. And that's a good point, Doctor. In your -- 21 further on in your report, you discuss a 22 number of different meta-analyses and Cochrane 23 analyses, including the Novara, Schimpf, Dean, 24 Rehman and -- Rehman studies, correct?</p>
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<p>1 offer in this case? 2 A. I mean, I haven't counted up how many papers 3 as it relates to TVT versus Sparc, but yes. 4 Q. So even though you haven't done an analysis of 5 how many TVT studies or patients there have 6 been related to Sparc, you're going to offer 7 an opinion that it's the most extensively 8 researched surgical treatment for SUI? 9 MS. KATZ GERSTEL: Object to form. 10 A. To the best my knowledge, the majority of the 11 literature out there on midurethral slings 12 relates to retropubic TVT, so yes. 13 BY MR. FAES: 14 Q. So in terms of -- when you say that it's the 15 most extensively researched, are you stating 16 that it's the most extensively researched in 17 regard to number of patients, quality of data, 18 length of data, or all of the above? 19 A. Number of studies, probably most patients, 20 follow-up, all the above. 21 Q. So have you done an analysis of the number of 22 patients that have been studied with regard to 23 the TVT retropubic as compared to a sling such 24 as the Sparc?</p>	<p>1 A. Yes. 2 Q. And those are all studies that include some 3 TVT slings, but they include a number of other 4 different slings as well; is that accurate? 5 A. That's correct. 6 Q. Now, in writing your report, you -- I mean, 7 obviously you've got a reliance list of 8 materials that you relied on. 9 But in writing your report, would you 10 agree that you discussed the studies that you 11 felt were most important and relevant to you 12 forming your opinions in this case? 13 A. You mean by discussed, discussed them in my 14 report or discussed them with the attorney? 15 Q. No. I'm not asking about anything you 16 discussed with your attorney. I'm just asking 17 would you agree that your expert report marked 18 as Exhibit No. 2 discusses various articles 19 and facts, correct? 20 A. It does. 21 Q. You'd agree that the articles and facts that 22 you discuss in your expert report are those 23 articles and facts that you felt were most 24 important to you in forming your opinions and</p>

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<p>1 conclusions in this case, correct?</p> <p>2 A. Yes.</p> <p>3 Q. And you specifically reference four different</p> <p>4 meta-analyses, the Novara, Schimpf, Dean and</p> <p>5 Rehman studies, that -- and all four of those</p> <p>6 are regarding midurethral slings in general,</p> <p>7 not specifically the TVT, correct?</p> <p>8 A. Well, on that page 7, yes, those are the</p> <p>9 references for -- for that chart from Nager's</p> <p>10 paper on midurethral slings.</p> <p>11 Q. Yes. And, in fact, you've copied and pasted a</p> <p>12 portion of Nager's 2016 paper into your expert</p> <p>13 report on page 7, correct?</p> <p>14 A. Yes.</p> <p>15 Q. And Nager's 2016 paper specifically discusses</p> <p>16 the four aforementioned meta-analyses that we</p> <p>17 talked about, right?</p> <p>18 A. Yeah. He used those meta-analyses to</p> <p>19 construct that -- that chart.</p> <p>20 Q. And would you agree that all four of those</p> <p>21 meta-analyses include in their analysis</p> <p>22 slings other than the TVT, correct?</p> <p>23 A. That's my recollection, yes.</p> <p>24 Q. How did you account for the fact that there</p>	<p>1 A. Well, not his -- not his paper. His paper was</p> <p>2 sort of more of a -- a commentary review of</p> <p>3 sort of the state of midurethral slings, and I</p> <p>4 used this graph because it seemed like a nice</p> <p>5 summary of the data for midurethral slings</p> <p>6 versus other -- other methods of</p> <p>7 anti-incontinence surgery.</p> <p>8 BY MR. FAES:</p> <p>9 Q. Right. Nager's 2016 paper is actually an</p> <p>10 editorial, isn't it?</p> <p>11 A. Right. It's commentary, yeah.</p> <p>12 Q. In fact, the heading on the paper says</p> <p>13 Viewpoint, right?</p> <p>14 A. Correct.</p> <p>15 Q. So if you intend -- going back to page 5 of</p> <p>16 your report, you stated that you do intend to</p> <p>17 offer an opinion that the TVT operation is the</p> <p>18 most extensively researched surgical treatment</p> <p>19 for SUI in women.</p> <p>20 Do you intend to offer an opinion in this</p> <p>21 case that the TVT-O is the most extensively</p> <p>22 surgical -- most extensively researched</p> <p>23 surgical treatment for SUI in women?</p> <p>24 MS. KATZ GERSTEL: Object to form.</p>
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<p>1 were multiple other midurethral slings in</p> <p>2 these studies in doing your analysis where you</p> <p>3 concluded that the TVT and -- when you reached</p> <p>4 your conclusions regarding the TVT and the</p> <p>5 TVT-O?</p> <p>6 A. I'm sorry. Could you repeat that?</p> <p>7 Q. I'm not sure I can, so I'll restate it.</p> <p>8 A. Okay.</p> <p>9 Q. In your conclusions regarding the TVT-O,</p> <p>10 you relied on Nager's 2016 paper, which</p> <p>11 included four meta-analyses, correct?</p> <p>12 A. You said my conclusions about the TVT-O, so</p> <p>13 I -- I don't know that his -- his paper</p> <p>14 included, or at least those meta-analyses</p> <p>15 included, both retropubic, pubovaginal slings,</p> <p>16 as far as I can remember, also transobturator</p> <p>17 slings as well. But I don't know that I -- I</p> <p>18 based my specific conclusion about TVT-Os</p> <p>19 based on Nager's paper.</p> <p>20 Q. So you didn't base any conclusions regarding</p> <p>21 the safety and efficacy of the TVT-O on</p> <p>22 Nager's 2016 paper that you've included in</p> <p>23 your expert report here?</p> <p>24 MS. KATZ GERSTEL: Objection.</p>	<p>1 A. I don't -- I'm not too sure what you're</p> <p>2 asking, but I don't know if there's as much</p> <p>3 data for the transobturator slings as there</p> <p>4 are for the retropubic slings. So I'm not</p> <p>5 sure what you're asking.</p> <p>6 BY MR. FAES:</p> <p>7 Q. Right. You'd agree that there can only be one</p> <p>8 device that can be the most extensively</p> <p>9 researched surgical treatment for SUI, right?</p> <p>10 MS. KATZ GERSTEL: Objection.</p> <p>11 A. Well, I mean, there can be one procedure that</p> <p>12 is most extensively studied under the heading</p> <p>13 of the midurethral slings; and then under that</p> <p>14 heading, yes, there could probably be only one</p> <p>15 device that could be the most extensively</p> <p>16 studied out of that group of procedures.</p> <p>17 BY MR. FAES:</p> <p>18 Q. And you believe that that's the TVT and not</p> <p>19 the TVT-O, right?</p> <p>20 A. That's correct.</p> <p>21 Q. So you'd agree that the TVT-O is not the most</p> <p>22 extensively studied device for the treatment</p> <p>23 of stress urinary incontinence, correct?</p> <p>24 MS. KATZ GERSTEL: Objection.</p>

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<p>1 A. I would agree.</p> <p>2 BY MR. FAES:</p> <p>3 Q. And you make your opinion about the TVT device</p> <p>4 being the most extensively studied sling for</p> <p>5 the treatment of stress urinary incontinence</p> <p>6 despite not having done a formal analysis</p> <p>7 comparing the number of patients or the number</p> <p>8 of studies as it relates to the Sparc sling,</p> <p>9 correct?</p> <p>10 MS. KATZ GERSTEL: Objection.</p> <p>11 BY MR. FAES:</p> <p>12 Q. Or compared to the Sparc sling.</p> <p>13 A. I mean, again sort of off the top of my head,</p> <p>14 I can't tell you how many studies have been</p> <p>15 done on TVT versus Sparc, but my recollection</p> <p>16 is that there are more TVT studies than Sparc</p> <p>17 studies.</p> <p>18 I think going back to -- if we go to page</p> <p>19 8 of my report, which helps with my memory,</p> <p>20 TVT has been studied in more than 100</p> <p>21 randomized controlled trials. TVT-O has been</p> <p>22 studied in more than 60 randomized controlled</p> <p>23 trials; and I think, you know, again off the</p> <p>24 top of my head, those -- that makes them, both</p>	<p>1 of the TVT studies as compared to the quality</p> <p>2 of the Sparc studies?</p> <p>3 MS. KATZ GERSTEL: Objection.</p> <p>4 A. I've not looked at Sparc studies head to head</p> <p>5 with TVT studies, but -- and again, what I've</p> <p>6 looked at are the systematic reviews and the</p> <p>7 meta-analyses. And other doctors have sort of</p> <p>8 looked at the strengths and the weaknesses of</p> <p>9 a lot of those studies and sort of, you know,</p> <p>10 put together the meta-analyses, and -- but I</p> <p>11 haven't put them head to head myself, no.</p> <p>12 BY MR. FAES:</p> <p>13 Q. So you're just -- when you're making your</p> <p>14 opinion that the quality of the TVT studies is</p> <p>15 better than the quality of the Sparc studies,</p> <p>16 you're not basing that on your own formal</p> <p>17 analysis; you're basing that on the analysis</p> <p>18 of other individuals; is that accurate?</p> <p>19 MS. KATZ GERSTEL: Objection.</p> <p>20 A. I'm basing that on people that are in</p> <p>21 academics that are much more expert on</p> <p>22 statistics and doing systematic reviews in</p> <p>23 meta-analyses than I am, so yes.</p> <p>24 BY MR. FAES:</p>
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<p>1 TVT and TVT-O, the most extensively studied</p> <p>2 retropubic and obturator slings. But I can't</p> <p>3 tell you off the top of my head how many RCTs</p> <p>4 the AMS product had or off the top of my head</p> <p>5 how many, you know, RCTs Sparc had.</p> <p>6 Q. Don't you need to know the number of Sparc</p> <p>7 RCTs in order to opine that there are more TVT</p> <p>8 slings -- TVT RCTs than Sparc RCTs?</p> <p>9 MS. KATZ GERSTEL: Objection.</p> <p>10 A. I don't think I need to know the actual</p> <p>11 number. Just -- I think I need to know that</p> <p>12 there's just more of them. I don't know if</p> <p>13 that makes any sense.</p> <p>14 BY MR. FAES:</p> <p>15 Q. Did you know the number at any point?</p> <p>16 A. I don't know the actual number of Sparc RCTs</p> <p>17 or Monarc RCTs.</p> <p>18 Q. Have you done any kind of analysis of the</p> <p>19 quality of the Monarc studies compared to the</p> <p>20 quality of the TVT studies?</p> <p>21 MS. KATZ GERSTEL: Objection.</p> <p>22 BY MR. FAES:</p> <p>23 Q. Or strike that.</p> <p>24 Have you done an analysis of the quality</p>	<p>1 Q. Have you done an analysis of the quality of</p> <p>2 the TVT-O studies compared to the quality of</p> <p>3 the Monarc studies that are out there?</p> <p>4 MS. KATZ GERSTEL: Object to form.</p> <p>5 A. Again, I'm relying my opinions on the -- not</p> <p>6 necessarily individual RCTs but the</p> <p>7 meta-analyses and the systematic reviews.</p> <p>8 BY MR. FAES:</p> <p>9 Q. At the bottom of page 6 of your report, you</p> <p>10 state that MUS, including the TVT and TVT-O,</p> <p>11 are taught in residency and fellowship</p> <p>12 programs throughout the United States and are</p> <p>13 the gold standard procedure for SUI. To state</p> <p>14 otherwise would not reflect the reality of</p> <p>15 surgical management of SUI today.</p> <p>16 Do you see that?</p> <p>17 A. Yes.</p> <p>18 Q. Is that an opinion that you intend to offer in</p> <p>19 this case?</p> <p>20 A. Yes.</p> <p>21 Q. Do you know whether the Burch procedure is</p> <p>22 still offered in residency and fellowship</p> <p>23 programs throughout the United States today?</p> <p>24 A. I mean, I haven't been in academic -- a</p>

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<p>1 teaching institution in 12 years. My best 2 guess is that there may be people doing 3 Burches in select patients, probably not as a 4 primary procedure but as a -- perhaps a 5 procedure where someone has had a sling; they 6 had an untoward event with a sling; the sling 7 was removed; the patient had recurrent stress 8 incontinence; and the patient opted to proceed 9 with another surgery for their stress 10 incontinence; and they did a Burch instead of 11 doing another -- another sling, either 12 pubovaginal or mesh. 13 Q. So I'm not sure if that answers my question. 14 Do you know whether -- 15 A. I don't, no. Sorry. 16 Q. So you've done no analysis of whether -- of 17 how many institutions still teach the Burch 18 procedure today? 19 A. I mean, I'm in contact with folks at Duke on 20 occasion. I don't think that -- I'm not aware 21 that they're doing Burches. I don't know 22 anyone doing Burches at Old Miss. I don't 23 think that they're very commonly performed at 24 this time.</p>	<p>1 use of midurethral slings versus data for 2 Burches. I think it's more important to know 3 the inherent risks of slings versus Burches. 4 I think that, you know, maybe there are 5 certain doctors out there that are not 6 comfortable performing midurethral slings, and 7 they're doing Burches. 8 I think -- I don't know that there's a 9 rise of Burch procedures would impact my -- my 10 personal practice or my expert opinion on 11 midurethral slings. 12 BY MR. FAES: 13 Q. Do you know whether or not the number of 14 midurethral slings performed in the United 15 States has actually gone down over the past 16 couple years? 17 A. That I don't know. I can tell you that in my 18 practice, not that it's a reflection of the 19 US, I haven't seen a decrease in slings. 20 Q. Do you think that would be an important fact 21 to know in stating your opinion regarding the 22 reality of surgical management of stress 23 urinary incontinence today? 24 MS. KATZ GERSTEL: Object to form.</p>
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<p>1 Q. Have you ever performed a Burch procedure? 2 A. Absolutely. 3 Q. When's the last time you performed a Burch 4 procedure? 5 A. 2001, 2002. 6 Q. Would you agree that the Burch procedure for 7 the treatment of stress urinary incontinence 8 is still within the standard of care today? 9 A. I would not criticize someone for doing a 10 Burch procedure if that's what they had to 11 offer the patient. So I think it's within the 12 standard of care. 13 Q. Do you know whether or not Burch procedures 14 for the treatment of stress urinary 15 incontinence are actually on the rise within 16 the last two years? 17 A. That I'm not aware of. 18 Q. Do you think that would be an important fact 19 to know when you're talking about the reality 20 of surgical management for stress urinary 21 incontinence today in your report? 22 MS. KATZ GERSTEL: Object to form. 23 A. I mean, I think, you know, what's maybe more 24 important is to know the data supporting the</p>	<p>1 A. In regards to -- what was the word before 2 management? You said -- 3 BY MR. FAES: 4 Q. Do you think that -- I'll restate the entire 5 question. 6 A. Sorry. 7 Q. Do you think it would be important to know 8 whether or not the number of midurethral 9 slings in the United States was actually on 10 the decline in issuing your opinion regarding 11 the reality of surgical management of SUI 12 today? 13 MS. KATZ GERSTEL: Object to form. 14 A. Again, you know, I don't think that what 15 doctors do in terms of whether they favor one 16 surgery or another would affect the data that 17 we have for midurethral slings. 18 So, you know, I think there's probably 19 lots of factors that influence decision-making 20 between whether to offer a patient a 21 midurethral sling or a Burch procedure. One 22 of those factors is probably the ongoing 23 litigation; and, you know, that may be the 24 factor for why there has been a decrease in</p>

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<p>1 slings, as you say, or an increase in Burches.</p> <p>2 You know, I think we have to practice</p> <p>3 evidence-based medicine. I think we -- you</p> <p>4 know, patients come to see me for advice</p> <p>5 about, you know, their medical care. They</p> <p>6 don't come to ask me about, you know, legal</p> <p>7 matters, and I don't talk to them about</p> <p>8 necessarily, you know, legal matters.</p> <p>9 So I think there's -- there's probably</p> <p>10 lots of factors that go into why doctors</p> <p>11 choose one procedure, you know, over other.</p> <p>12 Q. Would you agree with me that the popularity or</p> <p>13 prevalence of a particular procedure isn't</p> <p>14 necessarily an indication of its safety or</p> <p>15 effectiveness?</p> <p>16 MS. KATZ GERSTEL: Object to form.</p> <p>17 A. I would agree that the popularity of a</p> <p>18 procedure, you know, certainly can be related</p> <p>19 to its efficacy and/or its safety. But the</p> <p>20 popularity of a procedure may have nothing to</p> <p>21 do with safety or efficacy. It may have to do</p> <p>22 with demand.</p> <p>23 BY MR. FAES:</p> <p>24 Q. And you state that the TVT and TVT-O are the</p>	<p>1 MS. KATZ GERSTEL: Object to form.</p> <p>2 A. I think that the gold standard for</p> <p>3 anti-incontinence surgery currently is -- are</p> <p>4 midurethral slings, and of that classification</p> <p>5 the most studied, and in my read and my</p> <p>6 recollection, the best data supports TVT and</p> <p>7 TVT-O.</p> <p>8 BY MR. FAES:</p> <p>9 Q. So just to make -- I just want to be clear on</p> <p>10 what your opinions are.</p> <p>11 You'd agree that there can only be one</p> <p>12 gold standard, right?</p> <p>13 MS. KATZ GERSTEL: Object to form.</p> <p>14 A. I mean, if we're going to say one gold</p> <p>15 standard, you know, if I can put it in</p> <p>16 perspective, there are probably at least 12</p> <p>17 different ways to do a Burch procedure. There</p> <p>18 are probably even more ways to do pubovaginal</p> <p>19 slings. So, you know, to say that a Burch</p> <p>20 procedure is the gold standard, there's, you</p> <p>21 know, 12 different ways to do one. But</p> <p>22 only -- only one can be the gold standard.</p> <p>23 There's probably 20 ways to do a</p> <p>24 pubovaginal sling, but only one can be the</p>
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<p>1 gold standard procedure for SUI.</p> <p>2 Do you mean that the -- specifically the</p> <p>3 TVT and the TVT-O are the gold standard, or do</p> <p>4 you mean that midurethral slings are the gold</p> <p>5 standard?</p> <p>6 A. We're -- I'm sorry. Where did I -- where did</p> <p>7 I say that?</p> <p>8 Q. The bottom of page 6 still. MUS, including</p> <p>9 TVT and TVT-O, are taught in residency and</p> <p>10 fellowship programs throughout the United</p> <p>11 States and are the gold standard procedure for</p> <p>12 SUI.</p> <p>13 A. That's basically quoting Serati's article.</p> <p>14 That is what he put forth in his article, but</p> <p>15 I would agree with that.</p> <p>16 Q. So that's an opinion that you intend to offer</p> <p>17 in this case to a reasonable degree of medical</p> <p>18 certainty?</p> <p>19 A. Yes.</p> <p>20 Q. And again, my question was: Are you offering</p> <p>21 the opinion that specifically the TVT and</p> <p>22 TVT-O are the gold standard procedure for SUI</p> <p>23 or that midurethral slings are the gold</p> <p>24 standard procedure for SUI?</p>	<p>1 standard.</p> <p>2 Midurethral slings, I feel, are the --</p> <p>3 the gold standard, and out of the -- that</p> <p>4 family of midurethral slings, I think that TVT</p> <p>5 and TVT-O are -- again have the most -- the</p> <p>6 most data and the best outcomes.</p> <p>7 If I had to choose one, the TVT versus</p> <p>8 the TVT-O, the gold standard, I would say the</p> <p>9 retropubic TVT, because it's been around</p> <p>10 longer, and we have even more data for that</p> <p>11 than the TVT-O.</p> <p>12 BY MR. FAES:</p> <p>13 Q. So do you believe that the Bard Align sling is</p> <p>14 the gold standard for stress urinary</p> <p>15 incontinence?</p> <p>16 A. I can't tell you because I don't think it's</p> <p>17 been out -- I don't think it's even on the</p> <p>18 market anymore. And --</p> <p>19 Q. I think you're thinking of the Ajust.</p> <p>20 A. The Ajust.</p> <p>21 Q. The Align is still on the market.</p> <p>22 A. You know, I don't think that there's enough</p> <p>23 data to say that it is any better or any worse</p> <p>24 than TVT. It's a midurethral sling, so, you</p>

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<p>1 know, theoretically it should work in a more</p> <p>2 physiologic manner than a pubovaginal sling or</p> <p>3 a Burch procedure.</p> <p>4 Midurethral slings are the gold standard</p> <p>5 for stress urinary incontinence treatment.</p> <p>6 Q. Right. I guess what I'm getting at, Doctor,</p> <p>7 is are you saying that all -- any midurethral</p> <p>8 sling for the treatment of stress urinary</p> <p>9 incontinence is the gold standard, or are you</p> <p>10 just saying that specific ones are the gold</p> <p>11 standard?</p> <p>12 So, example, I asked you about Align, and</p> <p>13 I'm not quite sure what your answer was, quite</p> <p>14 honestly, so let me ask you a different</p> <p>15 question.</p> <p>16 Do you think that the Boston Scientific</p> <p>17 Advantage sling is the gold standard for</p> <p>18 stress urinary incontinence?</p> <p>19 MS. KATZ GERSTEL: Object to form.</p> <p>20 A. I think -- again, I don't know the data for</p> <p>21 that particular sling. I don't think that</p> <p>22 there's enough data to say that it is superior</p> <p>23 to TVT or TVT-O.</p> <p>24 TVT and TVT-O have been around longer</p>	<p>1 claim.</p> <p>2 MS. KATZ GERSTEL: Object to form.</p> <p>3 A. I think as a group they are the gold standard.</p> <p>4 I think there are certain slings that have</p> <p>5 been removed off the market that did not</p> <p>6 perform as well as traditional slings. For</p> <p>7 instance, the TVT-Secur or even the MiniArc</p> <p>8 by AMS.</p> <p>9 I think that single-incision slings are</p> <p>10 midurethral slings, but I don't think they are</p> <p>11 the gold standard. So, no, not all</p> <p>12 midurethral slings are created equal and not</p> <p>13 all are the gold standard.</p> <p>14 BY MR. FAES:</p> <p>15 Q. Right. So you'd agree that not all</p> <p>16 midurethral slings are created equal and that</p> <p>17 many midurethral slings have different safety</p> <p>18 and efficacy profiles, correct?</p> <p>19 MS. KATZ GERSTEL: Object to form.</p> <p>20 A. Yes.</p> <p>21 BY MR. FAES:</p> <p>22 Q. Would you agree that it's difficult to</p> <p>23 consider something the gold standard if it's</p> <p>24 no longer being manufactured or sold anymore?</p>
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<p>1 than the other slings. They have the most</p> <p>2 data.</p> <p>3 But in terms of your three general</p> <p>4 choices for anti-incontinence surgery, we've</p> <p>5 got Burches, pubovaginal slings and midurethral</p> <p>6 slings. Midurethral slings are considered by</p> <p>7 most folks out there to be the gold standard</p> <p>8 operation for stress incontinence.</p> <p>9 BY MR. FAES:</p> <p>10 Q. So I'm going to ask it a little differently,</p> <p>11 because I'm not quite sure I still got an</p> <p>12 answer to my question.</p> <p>13 Can you answer yes or no do you believe</p> <p>14 that the -- for example, the Boston Scientific</p> <p>15 Advantage sling is the gold standard treatment</p> <p>16 for stress urinary incontinence?</p> <p>17 Can you answer that yes or no, or can you</p> <p>18 not answer?</p> <p>19 A. I don't know enough about that product to say</p> <p>20 how good it is or whether -- or how effective</p> <p>21 it is or what their -- their particular</p> <p>22 adverse event profile is.</p> <p>23 Q. So you'd agree that not all midurethral slings</p> <p>24 are the gold standard; you can't make that</p>	<p>1 MS. KATZ GERSTEL: Object to form.</p> <p>2 A. I think whether industry decides to</p> <p>3 manufacture something or not doesn't really</p> <p>4 impact, you know, whatever outcomes data were</p> <p>5 there when it was in place. So I don't know</p> <p>6 that I can say that.</p> <p>7 BY MR. FAES:</p> <p>8 Q. So you don't have an opinion as to whether or</p> <p>9 not a product can still be considered the gold</p> <p>10 standard even if it's no longer being</p> <p>11 manufactured or sold?</p> <p>12 MS. KATZ GERSTEL: Object to form.</p> <p>13 A. That's correct.</p> <p>14 BY MR. FAES:</p> <p>15 Q. So when you say that something is the gold</p> <p>16 standard procedure for SUI, what exactly do</p> <p>17 you mean?</p> <p>18 Do you mean that it's the most prevalent;</p> <p>19 that it's the highest quality? Or what</p> <p>20 specifically do you mean?</p> <p>21 MS. KATZ GERSTEL: Object to form.</p> <p>22 A. So in terms of what I mean by the gold</p> <p>23 standard, is -- or at least what Dr. Serati</p> <p>24 meant in his article about the gold standard,</p>

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<p>1 is that TVT and TVT-O have become the standard</p> <p>2 by which other slings are compared in terms of</p> <p>3 outcomes, in terms of the safety profile, in</p> <p>4 terms of adverse effects.</p> <p>5 Q. So what do you mean when you say that MUS are</p> <p>6 the gold standard treatment for SUI?</p> <p>7 A. Well, MUS, midurethral slings, including TVT</p> <p>8 and TVT-O, are thought to be the gold</p> <p>9 standard. This is what Serati wrote in -- in</p> <p>10 his paper. And again, what I said earlier was</p> <p>11 that not all midurethral slings are, you know,</p> <p>12 created equal. I don't disagree with what</p> <p>13 Serati said, but I think what he's referring</p> <p>14 to are traditional three-incision midurethral</p> <p>15 slings, TVT, TVT-O amongst those, not</p> <p>16 single-incision slings.</p> <p>17 Q. So do you intend to offer an opinion in this</p> <p>18 case that midurethral slings are the gold</p> <p>19 standard procedure for SUI?</p> <p>20 A. I am.</p> <p>21 Q. And you make that opinion even though you</p> <p>22 stated earlier, for example, that you don't</p> <p>23 have enough information to determine whether</p> <p>24 or not, for example, the Boston Scientific</p>	<p>1 Dr. Nager's 2016 editorial on midurethral</p> <p>2 slings here; is that correct?</p> <p>3 A. (Examining document) What part of --</p> <p>4 Q. I'm talking about the table.</p> <p>5 A. Oh, I mean page -- you said 16. I'm sorry.</p> <p>6 You mean 7?</p> <p>7 Q. Seven.</p> <p>8 A. Yes.</p> <p>9 Q. There's actually no page number on this page;</p> <p>10 I don't know why.</p> <p>11 A. Page 7, right.</p> <p>12 Q. And this table has a summary of different</p> <p>13 results that favor midurethral slings</p> <p>14 and complications that favor a retropubic</p> <p>15 colpopexy -- laparoscopic colpopexy</p> <p>16 or pubovaginal sling, correct?</p> <p>17 A. Yes.</p> <p>18 Q. And when we're talking about open retropubic</p> <p>19 colpopexy, we're talking about a Burch, right,</p> <p>20 open Burch?</p> <p>21 A. Open Burch -- yes, colpopexy is an open Burch</p> <p>22 correct.</p> <p>23 Q. Okay. So from here on out, I'll refer to that</p> <p>24 as an open Burch, because I don't like that</p>
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<p>1 Advantage sling is the gold standard or not?</p> <p>2 MS. KATZ GERSTEL: Object to form.</p> <p>3 A. I mean, based on again what -- what we</p> <p>4 consider to be the best data, which is from</p> <p>5 the meta-analyses and the systematic analyses,</p> <p>6 where they grouped, you know, different, you</p> <p>7 know, manufacturers of -- of slings in</p> <p>8 together, that's what I'm basing my opinion</p> <p>9 on.</p> <p>10 BY MR. FAES:</p> <p>11 Q. Would you agree that a lot of opinions and</p> <p>12 facts that you discuss in your report are</p> <p>13 regarding midurethral slings as a group and</p> <p>14 not necessarily the TVT-O by itself or the TVT</p> <p>15 by itself?</p> <p>16 MS. KATZ GERSTEL: Object to form.</p> <p>17 A. I mean, you know, again, taken individually</p> <p>18 randomized controlled trials are pretty good</p> <p>19 evidence, but better evidence is afforded by</p> <p>20 larger reviews, systematic reviews,</p> <p>21 meta-analyses.</p> <p>22 BY MR. FAES:</p> <p>23 Q. So looking at page 16 of your report,</p> <p>24 you've republished a portion of</p>	<p>1 word.</p> <p>2 A. Yeah, it's too many syllables.</p> <p>3 Q. So is this just information that you found</p> <p>4 helpful, or do you intend to offer an opinion</p> <p>5 in this case to a reasonable degree of medical</p> <p>6 certainty, for example, that the data favors</p> <p>7 midurethral slings with regard to overall cure</p> <p>8 rates?</p> <p>9 A. In terms of sort of couching my opinions and</p> <p>10 sort of putting things into perspective, I</p> <p>11 think this is a nice summary of at least, you</p> <p>12 know, information that Dr. Nager gleaned from</p> <p>13 three or four, you know, meta-analyses and</p> <p>14 systematic reviews.</p> <p>15 So, yes, I'm prepared to offer an opinion</p> <p>16 that midurethral slings are favored versus</p> <p>17 Burch procedures in a number of ways</p> <p>18 elaborated by this graph, this chart.</p> <p>19 Q. So what about with regard to TVT, are you</p> <p>20 going to offer an opinion in this case that</p> <p>21 specifically the TVT retropubic has a better</p> <p>22 all -- better overall cure rate than the open</p> <p>23 Burch procedure?</p> <p>24 A. Yes.</p>

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<p>1 Q. And what are you relying on to come to</p> <p>2 that conclusion?</p> <p>3 A. I have to comb through some of the studies</p> <p>4 that I've looked at. Let's see, so the data</p> <p>5 from Hilton Ward was more of a, you know,</p> <p>6 randomized controlled trial, and basically</p> <p>7 they came to the conclusion that TVT was not</p> <p>8 inferior to the then gold standard, which was</p> <p>9 the Burch. And then -- but the majority of</p> <p>10 the systematic analysis and meta-analyses that</p> <p>11 I've reviewed, you know, take into</p> <p>12 consideration all midurethral slings.</p> <p>13 Q. Well, first of all, the Ward Hilton study</p> <p>14 found that it was not inferior --</p> <p>15 A. Correct.</p> <p>16 Q. So that doesn't really support that the</p> <p>17 overall cure rates for midurethral slings are</p> <p>18 better than open Burch, correct?</p> <p>19 A. It doesn't say that it's better, but you also</p> <p>20 have to look at follow-up and, you know,</p> <p>21 specifically, you know, how do they define</p> <p>22 cure rate? You know, was that based on, you</p> <p>23 know, objective data, subjective data, pad</p> <p>24 counts, so...</p>	<p>1 material in forming your conclusion that</p> <p>2 specifically the TVT and not the midurethral</p> <p>3 sling has a better overall cure rate than the</p> <p>4 open Burch, what methodology did you</p> <p>5 use to eliminate all those other slings in</p> <p>6 forming your conclusion regarding the TVT</p> <p>7 sling as opposed to midurethral slings in</p> <p>8 general?</p> <p>9 MS. KATZ GERSTEL: Objection.</p> <p>10 A. I don't think that you can take --</p> <p>11 unfortunately you can't take a meta-analysis</p> <p>12 and dissect out, you know, the individual</p> <p>13 studies. I mean, you can look at the</p> <p>14 individual studies and -- and look at the</p> <p>15 sling versus the Burch, but I don't think you</p> <p>16 can take the end product, which is the</p> <p>17 meta-analysis, and then, you know,</p> <p>18 retroactively tease out how well the Burch</p> <p>19 did. You just have to look at those -- or</p> <p>20 excuse me -- or how well the J &amp; J TVT did.</p> <p>21 You just have to look at those individual</p> <p>22 studies.</p> <p>23 You know, the majority of -- at least in</p> <p>24 this section of my report, we used the</p>
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<p>1 Q. And --</p> <p>2 A. I'm sorry. Go ahead.</p> <p>3 Q. Were you done? I don't want to cut you off.</p> <p>4 A. Go ahead.</p> <p>5 Q. Well, most of the other data that you're</p> <p>6 relying on that states that the -- for the</p> <p>7 conclusion that the TVT, the overall cure</p> <p>8 rates for the TVT is superior to the open</p> <p>9 Burch are meta-analyses which include other</p> <p>10 TVT sling products, right?</p> <p>11 A. Yeah. I don't know specifically that there</p> <p>12 was a meta-analysis or systematic analysis</p> <p>13 that just limited midurethral slings to J &amp; J</p> <p>14 products.</p> <p>15 Q. Right. So, for example, the Schimpf study,</p> <p>16 which is reference number 17 in this table</p> <p>17 which is cited multiple times, that</p> <p>18 included the TVT and the TVT-O, but it also</p> <p>19 included a number of other products, including</p> <p>20 the I-Stop, Monarc, TVT-Secur, MiniArc and</p> <p>21 something called the Safyre, S-a-f-y-r-e,</p> <p>22 sling, correct?</p> <p>23 A. Yes.</p> <p>24 Q. So in forming your -- in relying on that</p>	<p>1 information from the meta-analyses and the</p> <p>2 systematic reviews because that information is</p> <p>3 better than a randomized controlled trial with</p> <p>4 limited numbers, so...</p> <p>5 BY MR. FAES:</p> <p>6 Q. Right. So you'd agree that if, for example,</p> <p>7 in the Schimpf study you took out all of the</p> <p>8 other manufacturers' slings and just compared</p> <p>9 TVT retropubic to open Burch or all the</p> <p>10 studies involving TVT retropubic to open</p> <p>11 Burch, you might reach a different conclusion,</p> <p>12 correct?</p> <p>13 MS. KATZ GERSTEL: Object to form.</p> <p>14 A. I mean, that's possible.</p> <p>15 BY MR. FAES:</p> <p>16 Q. And the same question with regard to TVT-O.</p> <p>17 If you took out all the other slings out of</p> <p>18 the Schimpf study and compared just the TVT-O</p> <p>19 to the open Burch, you might reach a different</p> <p>20 conclusion with regard to overall cure rates</p> <p>21 and some of the other things that were</p> <p>22 measured in that study, right?</p> <p>23 MS. KATZ GERSTEL: Object to form.</p> <p>24 A. Again, you're -- you're taking out significant</p>

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<p>1 numbers of patients from a systematic review,  2 slash, meta-analysis. So, you know, de facto,  3 it certainly could affect the end conclusions.  4 BY MR. FAES:  5 Q. So what methodology did you use to  6 determine that the conclusions in the Novara,  7 Schimpf, Dean and Rehman studies were  8 applicable to the TVT retropubic device?  9 MS. KATZ GERSTEL: Object to form.  10 A. Is the information in the -- in the Schimpf  11 and the Novara meta-analyses systematic  12 reviews are consistent with the individual  13 data that I've seen in the randomized  14 controlled trials for TVT and TVT-O. That's  15 my methodology, is that, you know, you have  16 limited numbers of patients in randomized  17 controlled trials. When you take, you know,  18 greater numbers and put them into the  19 systematic analysis and then subsequent  20 meta-analysis, the results are similar.  21 And then, you know, to take my own  22 personal experience with the products and  23 having done, like, 1200 of them, my experience  24 is consistent with what's in -- in the</p>	<p>1 safety?  2 MS. KATZ GERSTEL: Object to form.  3 A. I can't recall any of those trials  4 specifically randomizing patients for sling  5 that the primary outcome was, as you said,  6 safety, whatever that means.  7 BY MR. FAES:  8 Q. So the same is also true with regard to the  9 TVT-O, correct?  10 A. As far as I know, correct, yes.  11 Q. Do you intend to offer an opinion in this case  12 that the TVT and the TVT-O device are both  13 safe and effective?  14 A. Yes.  15 Q. And you're offering those opinions to a  16 reasonable degree of medical certainty,  17 correct?  18 A. Yes.  19 Q. If you go to page 9 of your report, at the end  20 of the first paragraph you write that over  21 80 percent of women are cured or have  22 significant improvement in their symptoms with  23 either retropubic or transobturator route MUS  24 for up to five years after surgery. And</p>
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<p>1 literature.  2 BY MR. FAES:  3 Q. Earlier, Doctor, we were talking about -- kind  4 of jumped ahead, and we were talking about  5 your statement on page 8 of your report that  6 TVT has been studied in more than a hundred  7 randomized controlled trials, and TVT has been  8 studied in more than 60 RCTs.  9 Do you remember that?  10 A. Yeah.  11 Q. Would you agree that none of the TVT  12 randomized controlled -- TVT hundred  13 randomized controlled studies had a primary  14 endpoint of safety?  15 MS. KATZ GERSTEL: Object to form.  16 A. I mean, most of these trials -- most trials  17 for incontinence procedures are not -- they're  18 not powered for -- to show differences in  19 safety. They're powered for differences in a  20 primary outcome like incontinence.  21 BY MR. FAES:  22 Q. Right. So you'd agree that of the hundred  23 randomized controlled trials for the TVT, zero  24 of those trials had a primary endpoint of</p>	<p>1 again, the Ford article is cited.  2 Do you see that?  3 A. Yes.  4 Q. And you'd agree that the Ford article is  5 actually the Cochrane analysis that includes  6 many other slings, other than the TVT and  7 TVT-O, correct?  8 A. Yes.  9 Q. So what do you believe the percentage of women  10 with SUI who are cured or have significant  11 improvement in their symptoms with the TVT is  12 at five years?  13 MS. KATZ GERSTEL: Object to form.  14 A. Well, I mean, besides, you know, what I, you  15 know, believe in the Cochrane review and what  16 I've seen in individual randomized controlled  17 trials with follow-up and all of this is  18 consistent with my own experience, which is  19 that I would say that 80 percent of women are  20 cured, and I would venture to say that  21 16 percent are improved, you know, between  22 that one- and five-year mark after surgery.  23 BY MR. FAES:  24 Q. The same question with regard to the TVT-O.</p>

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<p>1 What would you state is the percentage of</p> <p>2 women with SUI who are cured or have</p> <p>3 significant improvement in their symptoms with</p> <p>4 either -- symptoms with TVT-O, sorry, five</p> <p>5 years after surgery?</p> <p>6 A. I would say it's -- it would be very similar.</p> <p>7 80 percent cure rate, 16 percent improved.</p> <p>8 Again, it all depends upon how you define</p> <p>9 cure, whether that's subjective, objective,</p> <p>10 how you define improvement.</p> <p>11 Q. You'd agree that that five-year</p> <p>12 cure/improvement rate is a very important</p> <p>13 metric or yardstick, if you will, in your</p> <p>14 opinion that the TVT and TVT-O device is</p> <p>15 effective for treating stress urinary</p> <p>16 incontinence, right?</p> <p>17 MS. KATZ GERSTEL: Object to form.</p> <p>18 A. I think that regardless of what</p> <p>19 anti-incontinence procedure you're looking at,</p> <p>20 you need to have long-term data for it. So,</p> <p>21 you know, five years to me is certainly more</p> <p>22 important than one year, not to -- not to, you</p> <p>23 know, put down one year's worth of data, but</p> <p>24 five year's worth of data is, to me, more</p>	<p>1 BY MR. FAES:</p> <p>2 Q. So if I understand your testimony correctly,</p> <p>3 you think there are three important metrics in</p> <p>4 your opinion that the TVT is effect -- TVT and</p> <p>5 TVT-O is effective: Patient satisfaction,</p> <p>6 objective cure rates and reoperation rates; is</p> <p>7 that correct?</p> <p>8 A. Low rate of --</p> <p>9 MS. KATZ GERSTEL: Object to form.</p> <p>10 A. Low rate of reoperation after having a</p> <p>11 midurethral sling for incontinence.</p> <p>12 BY MR. FAES:</p> <p>13 Q. So what do you believe the patient</p> <p>14 satisfaction rate is for the TVT sling?</p> <p>15 MS. KATZ GERSTEL: Object to form.</p> <p>16 A. I don't know that I administer a formal visual</p> <p>17 analog score for patient satisfaction, but I</p> <p>18 think people are generally very pleased with</p> <p>19 their outcomes.</p> <p>20 BY MR. FAES:</p> <p>21 Q. Is there anywhere in your expert report where</p> <p>22 you disclose an objective number that you</p> <p>23 believe is the patient satisfaction rate for</p> <p>24 the TVT sling?</p>
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<p>1 significant and certainly more significant for</p> <p>2 my patients.</p> <p>3 BY MR. FAES:</p> <p>4 Q. What do you think is the most significant</p> <p>5 metric to you in issuing your opinion that the</p> <p>6 TVT and TVT-O is effective for the treatment</p> <p>7 of stress urinary incontinence?</p> <p>8 MS. KATZ GERSTEL: Object to form.</p> <p>9 A. I guess you have to sort of look at it in a</p> <p>10 couple of different ways. I think you need to</p> <p>11 look at it in terms of patient satisfaction.</p> <p>12 I think that's an important metric, whether</p> <p>13 the patient would, you know, recommend the</p> <p>14 procedure to her friends or relatives, family</p> <p>15 members.</p> <p>16 And I think that in addition to just</p> <p>17 the -- the pure data of cure rate or, you</p> <p>18 know, pad counts and -- even or objective</p> <p>19 absence of stress incontinence on exam or in a</p> <p>20 urodynamic lab, I think you also have to look</p> <p>21 at the low rate of reoperation to look at, you</p> <p>22 know, success. But there's a very low of</p> <p>23 reoperation for recurrence of incontinence</p> <p>24 after midurethral slings.</p>	<p>1 MS. KATZ GERSTEL: Object to form.</p> <p>2 A. I know it's been studied in some of the</p> <p>3 literature that I've reviewed. I don't know</p> <p>4 that I specifically put that in the report.</p> <p>5 BY MR. FAES:</p> <p>6 Q. So how low would the patient satisfaction</p> <p>7 rate have to get with the TVT before you</p> <p>8 would change your opinion that it's</p> <p>9 effective for the treatment of stress urinary</p> <p>10 incontinence?</p> <p>11 MS. KATZ GERSTEL: Object to form.</p> <p>12 A. I guess it's a matter of how you measure</p> <p>13 patient satisfaction, in what -- in what</p> <p>14 realm, what arena, what scoring system. I --</p> <p>15 you know, to be honest with you, I haven't</p> <p>16 thought about that because overwhelmingly I</p> <p>17 see patients come back thrilled with, you</p> <p>18 know, their results. And sort of the common</p> <p>19 thing that I hear is why did I wait so long to</p> <p>20 have this done.</p> <p>21 I really don't see a lot of unhappy folks</p> <p>22 who -- who've had slings.</p> <p>23 BY MR. FAES:</p> <p>24 Q. So am I correct in that you can't state to any</p>

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<p>1 objective quantifiable standard for at what</p> <p>2 point patient satisfaction would be too low</p> <p>3 for you to still give the opinion that the TVT</p> <p>4 is effective for the treatment of stress</p> <p>5 urinary incontinence?</p> <p>6 MS. KATZ GERSTEL: Objection.</p> <p>7 A. Like I said, it's not something that I've had</p> <p>8 to consider. I think that if I, you know,</p> <p>9 started doing these procedures and I was</p> <p>10 seeing patients back who were unhappy,</p> <p>11 dissatisfied, then, you know, certainly I</p> <p>12 would -- I would reconsider why I was offering</p> <p>13 that procedure to patients, but I can't -- I</p> <p>14 don't have a number or a percentage off the</p> <p>15 top of my head that I can give you.</p> <p>16 BY MR. FAES:</p> <p>17 Q. What do you believe are the objective cure</p> <p>18 rates for the TVT at five years?</p> <p>19 MS. KATZ GERSTEL: Object to form.</p> <p>20 A. I mean, what I tell folks is that probably,</p> <p>21 you know, 80, 83 percent are cured at -- at,</p> <p>22 you know, five to seven years.</p> <p>23 BY MR. FAES:</p> <p>24 Q. What would the objective cure rate at five</p>	<p>1 I think you have to look at the whole -- whole</p> <p>2 picture, not just one element.</p> <p>3 Q. What do you believe are the reoperation rates</p> <p>4 for the TVT?</p> <p>5 MS. KATZ GERSTEL: Object to form.</p> <p>6 A. It's -- in my hands, it's pretty uncommon that</p> <p>7 I have to go and do a second anti-incontinence</p> <p>8 procedure on -- on someone. Of course, my</p> <p>9 practice is also skewed where I do see</p> <p>10 failures usually from other physicians putting</p> <p>11 slings in, and depending upon what their</p> <p>12 physical exam is like, what their anatomy is</p> <p>13 like, I may have to either remove the sling</p> <p>14 initially, let them heal, and then we consider</p> <p>15 another surgery, or we just go back in and I</p> <p>16 put a new sling in them.</p> <p>17 So, I mean, again, in my hands it's a</p> <p>18 pretty low rate of reoperation for recurrent</p> <p>19 stress urinary incontinence. I can't give you</p> <p>20 a number.</p> <p>21 BY MR. FAES:</p> <p>22 Q. Yeah. I'm going to just reask the question,</p> <p>23 because I may have phrased it inelegantly, and</p> <p>24 I'll just start with the caveat that I'm not</p>
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<p>1 years have to drop to in order -- before you</p> <p>2 would reconsider your position that the TVT is</p> <p>3 effective for the treatment of stress urinary</p> <p>4 incontinence?</p> <p>5 A. I don't know that I could -- I guess I would</p> <p>6 also have to know, you know, what the</p> <p>7 alternatives were for me to alter my practice</p> <p>8 to offer them something else.</p> <p>9 You know, objective cure rates, I mean,</p> <p>10 that's very good; but oftentimes, you know, an</p> <p>11 objective cure rate doesn't really correlate</p> <p>12 with subjective cure rates and what the</p> <p>13 patient perceives and patient related</p> <p>14 outcomes.</p> <p>15 So, you know, you can have someone who</p> <p>16 objectively is still leaking urine in your</p> <p>17 office, but when you ask them if they are</p> <p>18 perceiving that they're leaking urine, a lot</p> <p>19 of times they may not be, and they're quite</p> <p>20 happy.</p> <p>21 So there's more -- you can't -- I don't</p> <p>22 know that I could sort of tease out, you know,</p> <p>23 just an objective cure rate or just a</p> <p>24 subjective cure rate or just reoperation rate.</p>	<p>1 asking you necessarily about your personal</p> <p>2 experience.</p> <p>3 My question is: What do you believe are</p> <p>4 the overall reoperation rates for the TVT as</p> <p>5 reported in the medical literature?</p> <p>6 MS. KATZ GERSTEL: Object to form.</p> <p>7 A. I don't -- I don't know that I can tell you</p> <p>8 off the top of my head. I don't know off the</p> <p>9 top of my head. I'd have to look through my</p> <p>10 report and see whether we even discuss that in</p> <p>11 the report.</p> <p>12 BY MR. FAES:</p> <p>13 Q. Am I correct in that you can't state any</p> <p>14 numerical quantitative standard to where the</p> <p>15 reoperation rates for the TVT would reach a</p> <p>16 level that would be unacceptable to you and</p> <p>17 you would change your opinion that they --</p> <p>18 that the TVT is effective for the treatment of</p> <p>19 stress urinary incontinence?</p> <p>20 MS. KATZ GERSTEL: Object to form.</p> <p>21 A. Again, I can't really offer a number because</p> <p>22 it -- it's pretty uncommon that I have to</p> <p>23 reoperate on someone after they've had a</p> <p>24 sling.</p>

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<p>1 BY MR. FAES:</p> <p>2 Q. What do you believe are the key metrics or</p> <p>3 measurements for your opinion that the TVT and</p> <p>4 TVT-O device is safe for the treatment of</p> <p>5 stress urinary incontinence?</p> <p>6 MS. KATZ GERSTEL: Object to form.</p> <p>7 A. My major metric is what's sort of published in</p> <p>8 the literature, which is a very low rate of</p> <p>9 severe adverse events. So a very low rate of</p> <p>10 death, low rate of pulmonary embolus, sepsis,</p> <p>11 bowel injury, great vessel injury. Things</p> <p>12 that are severe or life threatening.</p> <p>13 BY MR. FAES:</p> <p>14 Q. So do you consider the rates of non-life</p> <p>15 threatening but life-changing adverse events,</p> <p>16 such as chronic pelvic pain that lasts the</p> <p>17 lifetime of the patient or the inability to</p> <p>18 ever engage in sexual intercourse again in</p> <p>19 your analysis of whether or not the TVT and</p> <p>20 TVT-O device is safe?</p> <p>21 MS. KATZ GERSTEL: Object to form.</p> <p>22 A. In my experience, I've -- I've not seen</p> <p>23 patients have issues with chronic pelvic pain</p> <p>24 or inability to have intercourse after a sling</p>	<p>1 Q. So in what percentage of patients with the</p> <p>2 adverse event after a TVT or TVT-O of never</p> <p>3 being able to comfortably engage in sexual</p> <p>4 intercourse for the rest of her life need to</p> <p>5 be seen before you would say to yourself this</p> <p>6 product or procedure is unacceptable to me; I</p> <p>7 don't believe it's safe?</p> <p>8 MS. KATZ GERSTEL: Objection.</p> <p>9 A. Yeah. I mean, it's -- that to me is a very</p> <p>10 hypothetical question, because I'm just not</p> <p>11 seeing those types of patients, so I -- I've</p> <p>12 not thought about that, you know. I can't</p> <p>13 give you a number.</p> <p>14 BY MR. FAES:</p> <p>15 Q. So if after treatment with a TVT or TVT-O it</p> <p>16 was found that 5 percent of patients were</p> <p>17 unable to comfortably engage in sexual</p> <p>18 intercourse for the rest of their life because</p> <p>19 of the TVT or TVT-O, would that change your</p> <p>20 opinion on whether or not it's safe and</p> <p>21 effective?</p> <p>22 MS. KATZ GERSTEL: Objection.</p> <p>23 A. Well, I mean, safe and effective, I mean --</p> <p>24 what you just stated I don't think has</p>
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<p>1 that I've put in them.</p> <p>2 With that being said, I've seen patients</p> <p>3 who had midurethral slings and were looking at</p> <p>4 all different brands of midurethral slings and</p> <p>5 different routes of passage come in with, as</p> <p>6 you said, life-altering issues, pain, fistula,</p> <p>7 malposition of the sling, et cetera, et</p> <p>8 cetera.</p> <p>9 You know, I think that the data that I</p> <p>10 reviewed for the report shows that chronic</p> <p>11 pelvic pain is pretty uncommon after</p> <p>12 midurethral slings. I think that dyspareunia</p> <p>13 is pretty uncommon after midurethral slings.</p> <p>14 In fact, there's some data that suggests that</p> <p>15 sexual function improves after the placement</p> <p>16 of a midurethral sling.</p> <p>17 But in regards to safety, I think that,</p> <p>18 you know, all procedures for incontinence,</p> <p>19 they all have very similar complication</p> <p>20 profiles; dyspareunia, chronic pelvic pain,</p> <p>21 erosion or exposure of material either into a</p> <p>22 viscus or into the vagina. These can all</p> <p>23 occur, not just with mesh procedures, but can</p> <p>24 occur with traditional procedures.</p>	<p>1 anything to do with the efficacy.</p> <p>2 BY MR. FAES:</p> <p>3 Q. Fair enough.</p> <p>4 A. I think, you know, there's -- there's more to</p> <p>5 it than, you know, what I offer the patient.</p> <p>6 It's -- the patient is part of the equation</p> <p>7 here. I think, you know, part of the informed</p> <p>8 consent process with a sling, in my mind,</p> <p>9 should involve a discussion about both, you</p> <p>10 know, the benefits, as well as the potential</p> <p>11 adverse events that can occur, complications,</p> <p>12 and what they may expect long term.</p> <p>13 I think there are plenty of patients out</p> <p>14 there who, if you spoke with them and you</p> <p>15 said, if I do this procedure on you, you have</p> <p>16 a 5 percent chance lifetime of not being able</p> <p>17 to engage in comfortable intercourse again,</p> <p>18 but on the flip side you have a 90 percent</p> <p>19 cure rate, I think that, you know, there's</p> <p>20 going to be a lot of patients out there who</p> <p>21 are really bothered by urine incontinence who</p> <p>22 are going to still have this procedure for</p> <p>23 that 5 percent, five-women-out-of-one-hundred</p> <p>24 risk.</p>

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<p>1 Q. So you'd agree then that a 5 percent risk of 2 never being able to engage in sexual 3 intercourse comfortably for the rest of their 4 life following a TVT or TVT-O isn't high 5 enough to you to conclude that the device is 6 not safe?</p> <p>7 MS. KATZ GERSTEL: Objection.</p> <p>8 A. You know, it sounds like we're -- we're 9 gambling or we're playing poker with a number. 10 I don't -- I don't have a number in mind. I 11 don't -- I don't think about, you know, 12 things, you know, with a specific, you know, 13 number in mind.</p> <p>14 In terms of whether to offer it to a 15 patient or not, it's a procedure that I've 16 been doing for well over a decade and, you 17 know, I'm not -- I'm not seeing patients with 18 debilitating complications or long-term 19 sequela from the procedure.</p> <p>20 You know, I don't -- I don't know what 21 that number would be, but, you know, whatever 22 number that would be it would be something I 23 would discuss with my patients as part of, you 24 know, the informed consent procedure and, you</p>	<p>1 the risks and those rates of risk as I can, 2 you know, muster. But I can't give you a 3 specific number as to, you know, 15 percent -- 4 what number -- what percentage of serious 5 events, you know, I would stop offering this 6 procedure to patients. I haven't thought 7 about it, because it's not happening.</p> <p>8 Q. Can you tell me how much higher the rate of 9 serious adverse events, as you defined them, 10 with regard to the TVT and TVT-O would need to 11 be in comparison to a feasible alternative for 12 the same indication before you would change 13 your opinion that the TVT and TVT-O device is 14 safe?</p> <p>15 MS. KATZ GERSTEL: Objection.</p> <p>16 A. I think what you're asking is for the same 17 indication but also balanced with similar 18 efficacy.</p> <p>19 You know, we have pubovaginal slings. We 20 have Burches. We have urethral bulking. We 21 have midurethral slings. And we have physical 22 therapy. And, you know, unfortunately they're 23 not equally effective, and they all have their 24 own unique set of risks and complications.</p>
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<p>1 know, lay it on them.</p> <p>2 Q. You stated that one of the key metrics to you 3 in issuing your opinion that the TVT and TVT-O 4 device is safe is a low rate of serious 5 adverse events, and in defining serious 6 adverse events, you're defining that as 7 life-threatening events; is that correct?</p> <p>8 A. That's how I would define a serious adverse 9 event is something life threatening.</p> <p>10 Q. So with that definition in mind, how high 11 would the risk of serious adverse events with 12 the TVT or TVT-O need to be in order for you 13 to change your opinion that the TVT and TVT-O 14 device is safe?</p> <p>15 A. Again, you know, to put it in perspective, 16 we're dealing with a surgery that is for a 17 non-life-threatening condition. It's for a 18 quality of life condition. And again, as -- I 19 can't give you a number as to, you know, how 20 many serious adverse events I would need to 21 stop offering that to patients as a matter of 22 ethics.</p> <p>23 But when I do informed consent with a 24 patient, I try to present them with as much of</p>	<p>1 You know, I -- I don't know what number 2 that would be to get me to stop using 3 midurethral slings because it's a very 4 hypothetical, you know, question.</p> <p>5 BY MR. FAES:</p> <p>6 Q. Is there any device or surgery for the 7 treatment of stress urinary incontinence that 8 you believe is not safe or effective?</p> <p>9 A. I think that, you know, in a particular 10 surgeon's hands, you know, they can have very 11 good outcomes with Burches and with a very low 12 rate of adverse events, wound infections, 13 transfusions, things like that. And the same 14 thing goes towards pubovaginal slings. 15 Midurethral slings the same thing.</p> <p>16 Pelvic floor physical therapy doesn't 17 involve surgery, but it may not be as 18 effective as the other techniques, because 19 it's like any other exercise program, what you 20 put into it is, you know, sort of what you'll 21 get out of it.</p> <p>22 But I think that there are people out 23 there that are very good at doing pubovaginal 24 slings. The technique is similar but</p>

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<p>1 different than midurethral slings. And both</p> <p>2 of those are even more different than</p> <p>3 retropubics. And, you know, there's data to</p> <p>4 say that, you know, top down is not as good as</p> <p>5 bottom up for retropubics.</p> <p>6 You know, I think in a particular</p> <p>7 surgeon's hands, you can have pretty good</p> <p>8 success with -- or pretty good safety with any</p> <p>9 of those.</p> <p>10 Q. Would you agree with me that there isn't any</p> <p>11 specific medical device for the treatment of</p> <p>12 stress urinary incontinence that you can point</p> <p>13 to that you believe is unsafe?</p> <p>14 MS. KATZ GERSTEL: Object to form.</p> <p>15 A. Well, I think that there were some products on</p> <p>16 the market that were removed years ago,</p> <p>17 Protegen sling in particular, that was unsafe.</p> <p>18 Other than that, you know, overall</p> <p>19 anti-incontinence procedures are safe.</p> <p>20 BY MR. FAES:</p> <p>21 Q. So what specifically about the</p> <p>22 Protegen device led you to the conclusion that</p> <p>23 it was unsafe for stress urinary incontinence?</p> <p>24 A. The Protegen device had a pretty high rate of</p>	<p>1 BY MR. FAES:</p> <p>2 Q. So you just anticipated my next question. You</p> <p>3 don't know, as you sit here today, the -- what</p> <p>4 the overall rate of exposure was for the</p> <p>5 Protegen sling with regard to vaginal and</p> <p>6 urethral erosions, correct?</p> <p>7 MS. KATZ GERSTEL: Object to form.</p> <p>8 A. Not off the top of my head.</p> <p>9 BY MR. FAES:</p> <p>10 Q. If the rate of vaginal and urethral erosions</p> <p>11 for a particular sling for the treatment of</p> <p>12 stress urinary incontinence were found to be</p> <p>13 19 percent, would you -- would that be high</p> <p>14 enough for you to conclude that that device</p> <p>15 was not safe for the treatment of stress</p> <p>16 urinary incontinence?</p> <p>17 MS. KATZ GERSTEL: Objection.</p> <p>18 A. You know, that's hard to say. Are we asking</p> <p>19 19 percent urethral erosion or 19 percent just</p> <p>20 vaginal exposure rate, combined?</p> <p>21 BY MR. FAES:</p> <p>22 Q. Combined.</p> <p>23 A. You know, the other issue that I would need to</p> <p>24 sort of look at because unfortunately a lot of</p>
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<p>1 both, as far as I can remember -- it's been</p> <p>2 years now -- vaginal as well as urethral</p> <p>3 erosion.</p> <p>4 Q. So you would agree with me that a device like</p> <p>5 the TVT or TVT-O could have a high enough rate</p> <p>6 of vaginal and urethral erosion to where you</p> <p>7 would conclude that it was unsafe for the</p> <p>8 treatment of stress urinary incontinence?</p> <p>9 MS. KATZ GERSTEL: Objection.</p> <p>10 A. Again, that's a hypothetical question, because</p> <p>11 TVT and TVT-O don't have very high erosion</p> <p>12 rates or exposure rates at all.</p> <p>13 I mean, you know, one of the reasons why</p> <p>14 I don't offer Burch procedures to most of my</p> <p>15 patients is because there is significant</p> <p>16 morbidity with a Burch.</p> <p>17 So I guess I would agree with you that</p> <p>18 there is some threshold for, you know, safety.</p> <p>19 I don't know what that threshold, you know,</p> <p>20 would be for TVT, TVT-O. I never had the</p> <p>21 opportunity, thankfully, to use the Protegen</p> <p>22 sling, and I, off the top of my head, can't</p> <p>23 remember what their -- what the rate of</p> <p>24 exposure was or rate of injury was.</p>	<p>1 what's in the literature about urethral</p> <p>2 erosions is that it wasn't that the material</p> <p>3 eroded or poked -- poked through the urethra</p> <p>4 but that the -- the physician surgeon probably</p> <p>5 missed a urethral injury at the time of the</p> <p>6 implant. So a lot of, quote, unquote,</p> <p>7 erosions into the urethra were actually missed</p> <p>8 injuries.</p> <p>9 You know, I don't know the -- I don't</p> <p>10 know that number. I can't -- I can't give you</p> <p>11 a number that would sway me from doing --</p> <p>12 doing the procedure. If -- you know, I</p> <p>13 counsel my patients about those risks with --</p> <p>14 with TVT and, you know, the rates of erosion</p> <p>15 or rather vaginal exposure are exceedingly low</p> <p>16 with TVT.</p> <p>17 I can tell you that in my hands I don't</p> <p>18 think that I've ever seen someone that I put a</p> <p>19 TVT, a TVT-O into with a mesh exposure.</p> <p>20 That's 1200 patients. And that's consistent</p> <p>21 with the literature.</p> <p>22 But it's also about patient selection. I</p> <p>23 don't put slings into certain individuals,</p> <p>24 smokers, poorly controlled diabetics.</p>

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<p>1 I'm getting a little wordy. I can't give</p> <p>2 you a specific number as to when I would quit</p> <p>3 doing slings on my patients.</p> <p>4 Q. So you would agree with me that there's no</p> <p>5 objective numerical standard that you can</p> <p>6 point to with regard to the rate of vaginal</p> <p>7 and urethral erosions with a sling device for</p> <p>8 stress urinary incontinence to where you would</p> <p>9 conclude that that device is no longer safe</p> <p>10 for stress urinary incontinence?</p> <p>11 MS. KATZ GERSTEL: Object to form.</p> <p>12 A. Again, I guess the question is is how many --</p> <p>13 you know, I would take a thousand vaginal mesh</p> <p>14 exposures over a single urethral exposure as</p> <p>15 complications. Because a lot of mesh</p> <p>16 exposures are asymptomatic and can be treated,</p> <p>17 you know, nonmedically -- or excuse me --</p> <p>18 nonsurgically, medically.</p> <p>19 So again, it's for me to give you a</p> <p>20 number, an objective number as to when I</p> <p>21 would, you know, stop doing slings because</p> <p>22 this is all very hypothetical, in my mind,</p> <p>23 because we're not seeing erosion rates of</p> <p>24 19 percent with TVT, TVT-O.</p>	<p>1 immediately be swayed away. I'd have to, you</p> <p>2 know, digest that paper.</p> <p>3 BY MR. FAES:</p> <p>4 Q. But I'll take it from your response</p> <p>5 that as you sit here today, you're not aware</p> <p>6 that at one point in 2013 Ethicon and Johnson</p> <p>7 &amp; Johnson actually had data published on their</p> <p>8 website regarding a randomized controlled</p> <p>9 study comparing the TVT retropubic to the</p> <p>10 Sparc device which showed a 19 percent erosion</p> <p>11 rate with the TVT and a 6 percent erosion rate</p> <p>12 with the Sparc; you're not aware of that,</p> <p>13 correct?</p> <p>14 MS. KATZ GERSTEL: Objection.</p> <p>15 A. No, I'm not. I'm also not aware of that being</p> <p>16 published in the literature.</p> <p>17 MR. FAES: Can we go off the record for a</p> <p>18 quick second?</p> <p>19 (Brief recess taken.)</p> <p>20 BY MR. FAES:</p> <p>21 Q. Doctor, we're back on the record after a short</p> <p>22 break.</p> <p>23 Are you ready to proceed?</p> <p>24 A. Sure.</p>
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<p>1 BY MR. FAES:</p> <p>2 Q. We're not? You're not aware of any randomized</p> <p>3 controlled study that showed a 19 percent</p> <p>4 erosion rate with TVT?</p> <p>5 MS. KATZ GERSTEL: Objection.</p> <p>6 A. Not off the top of my head. That seems --</p> <p>7 you're talking about a vaginal exposure or</p> <p>8 talking about urethral erosion?</p> <p>9 BY MR. FAES:</p> <p>10 Q. Talking about vaginal exposures and tape</p> <p>11 projections.</p> <p>12 A. I'm not familiar with -- with that literature.</p> <p>13 Q. If there were such a study, would that change</p> <p>14 your opinions in this case regarding the</p> <p>15 safety of the TVT sling?</p> <p>16 MS. KATZ GERSTEL: Objection.</p> <p>17 A. I would have to review the article and how it</p> <p>18 was done, patient selection, you know, at what</p> <p>19 point the surgeon was in their learning curve</p> <p>20 with the device. I think there's a lot of --</p> <p>21 of factors involved with, you know, publishing</p> <p>22 a paper like that. I think you have to look</p> <p>23 at that. I mean, I would certainly look at</p> <p>24 that very carefully, but I wouldn't</p>	<p>1 Q. Before the break we were talking a little bit</p> <p>2 about safety rates and the Protogen sling.</p> <p>3 I guess my question to you is this:</p> <p>4 You've offered an opinion in this case</p> <p>5 that the TVT and TVT-O device are safe,</p> <p>6 and you've stated that the only stress urinary</p> <p>7 device that you can point to that you feel is</p> <p>8 not safe is the Protogen, right?</p> <p>9 MS. KATZ GERSTEL: Object to form.</p> <p>10 A. I guess it depends upon how you define, you</p> <p>11 know, not safe. I mean, if -- medical errors</p> <p>12 can occur. A bowel can be injured with, you</p> <p>13 know, retropubic approaches because of, you</p> <p>14 know, how the trocar is angled, previous</p> <p>15 surgery. You could injure, you know, one of</p> <p>16 the vessels in the pelvis. I guess it depends</p> <p>17 on what you mean by not safe.</p> <p>18 I mean, the Protogen kind of stands out</p> <p>19 because I think specifically it was removed</p> <p>20 for people claiming that it was not safe.</p> <p>21 Again, it's been years and -- since I even</p> <p>22 thought about the Protogen sling.</p> <p>23 BY MR. FAES:</p> <p>24 Q. So I guess my question to you is this: What</p>

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<p>1 objective standard are you applying for your</p> <p>2 conclusion that the TVT and TVT-O is safe for</p> <p>3 the treatment of stress urinary incontinence?</p> <p>4 How would I know a device for stress</p> <p>5 urinary incontinence that isn't safe if</p> <p>6 I saw it?</p> <p>7 MS. KATZ GERSTEL: Object to form.</p> <p>8 A. You know, again, I guess it depends upon what</p> <p>9 you feel is a significant number of serious</p> <p>10 adverse events. You know, my review of the</p> <p>11 literature, my experience with TVT is that</p> <p>12 there is a very low rate of serious adverse</p> <p>13 events with that device. I can't -- I can't</p> <p>14 really offer you a number as to, you know,</p> <p>15 what -- what number, what percentage of</p> <p>16 procedures leading to a serious adverse event</p> <p>17 equates to, you know, that device not being,</p> <p>18 you know, safe. You know, I don't know.</p> <p>19 When I think about it, you know, when you</p> <p>20 look at the MAUDE database, when you look at</p> <p>21 the numbers of what they -- what they call</p> <p>22 adverse events, some of them not very -- not</p> <p>23 very serious, but adverse events, you know,</p> <p>24 you know the numerator, but I don't know the</p>	<p>1 Q. Do you remember that one of the conclusions of</p> <p>2 that article was also that the TVT mesh could</p> <p>3 easily deform under a minimal amount of</p> <p>4 tension?</p> <p>5 MS. KATZ GERSTEL: Object to form.</p> <p>6 A. I think it could deform, but the amount of --</p> <p>7 my recollection is this was a uniaxial testing</p> <p>8 that she put the meshes through, but that</p> <p>9 amount of tension was -- although you say</p> <p>10 minimal, I think that the amount of tension to</p> <p>11 cause it to deform was supraphysiologic; that</p> <p>12 it was above and beyond, you know, what</p> <p>13 someone could manifest with a cough or a</p> <p>14 Valsalva or a squat.</p> <p>15 BY MR. FAES:</p> <p>16 Q. So if someone concluded that the TVT</p> <p>17 mechanically-cut mesh could deform under a</p> <p>18 minimal amount of tension, would you disagree</p> <p>19 with that conclusion?</p> <p>20 MS. KATZ GERSTEL: Objection.</p> <p>21 A. I guess the question is is whether that</p> <p>22 deformation is clinically relevant and whether</p> <p>23 it makes a clinical difference in efficacy and</p> <p>24 outcomes.</p>
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<p>1 denominator.</p> <p>2 I can't -- I can't tell you what -- what</p> <p>3 that magic number is where I would -- I would</p> <p>4 stop offering a procedure for safety reasons.</p> <p>5 BY MR. FAES:</p> <p>6 Q. Doctor, if you turn to page 24 of your report,</p> <p>7 and on page 24, second paragraph down, you</p> <p>8 state that TVT is amongst the least stiff</p> <p>9 meshes available as an MUS, and you cite the</p> <p>10 Moalli article.</p> <p>11 Do you see that?</p> <p>12 A. Yeah.</p> <p>13 Q. Now, do you know whether or not the Moalli</p> <p>14 article was specifically studying the</p> <p>15 mechanically-cut mesh or the laser-cut mesh?</p> <p>16 A. I have to look back at it. I can't remember</p> <p>17 off top of my head.</p> <p>18 Q. You would agree that based on the timing of</p> <p>19 the article, it's most likely the</p> <p>20 mechanically-cut mesh, correct?</p> <p>21 A. Based on the article coming out in 2008, which</p> <p>22 means that her work was done way prior to</p> <p>23 that, it's most likely based on</p> <p>24 mechanically-cut mesh.</p>	<p>1 BY MR. FAES:</p> <p>2 Q. But my question is if someone gave the opinion</p> <p>3 that the TVT mesh could actually deform under</p> <p>4 a minimal amount of tension or a minimal</p> <p>5 amount of force, would you agree or disagree</p> <p>6 with that opinion?</p> <p>7 MS. KATZ GERSTEL: Objection.</p> <p>8 A. Would I change my opinion that it's the least</p> <p>9 stiff mesh?</p> <p>10 BY MR. FAES:</p> <p>11 Q. No, no, no. That's not what I'm asking.</p> <p>12 A. I'm sorry.</p> <p>13 Q. My question is if someone offered the opinion</p> <p>14 that the TVT mechanically-cut mesh can deform</p> <p>15 under a minimal amount of tension or force,</p> <p>16 would you agree or disagree with that</p> <p>17 statement?</p> <p>18 DEFENSE COUNSEL: Objection.</p> <p>19 A. I guess I would -- I would really need to know</p> <p>20 a minimal amount of force, what that means. I</p> <p>21 would need to know the process by which</p> <p>22 they're putting the mesh through that force.</p> <p>23 You know, is it an animal model? Is it</p> <p>24 bench-top model?</p>

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<p>1 I would need more information, I think.</p> <p>2 BY MR. FAES:</p> <p>3 Q. Have you ever engaged in the study of how much</p> <p>4 force a TVT sling is subjected to during an</p> <p>5 implantation?</p> <p>6 A. How much -- you mean how much force I'm</p> <p>7 putting on it through -- when I'm placing it</p> <p>8 through the pelvis?</p> <p>9 Q. Well, not you specifically, but in general</p> <p>10 have you ever engaged in the study of how much</p> <p>11 force a TVT sling is typically subjected to</p> <p>12 during implantation?</p> <p>13 A. I've not read anything in regards to how much</p> <p>14 force is applied to the mesh during placement.</p> <p>15 Q. So you would agree -- so you wouldn't offer</p> <p>16 any opinions in this case regarding whether</p> <p>17 the TVT mesh during implantation in the body</p> <p>18 is subjected to five newtons of force or ten</p> <p>19 newtons of force or 15; you have no number</p> <p>20 that you know of that the TVT is subjected to</p> <p>21 when it's implanted in the body or once it's</p> <p>22 in the body, correct?</p> <p>23 MS. KATZ GERSTEL: Object to form.</p> <p>24 A. I guess I'm a little bit confused if you're</p>	<p>1 BY MR. FAES:</p> <p>2 Q. So you don't intend to offer any opinions in</p> <p>3 this case one way or the other as to how</p> <p>4 elongation or deformation of the mesh could</p> <p>5 affect clinical outcomes?</p> <p>6 MS. KATZ GERSTEL: Object to form.</p> <p>7 A. I'm sure that, you know, it certainly makes</p> <p>8 sense that if you put a sling on a significant</p> <p>9 amount of stretch, that you have ruined or</p> <p>10 changed the mechanical properties of the</p> <p>11 sling. It's not the same piece of material</p> <p>12 that you've -- that you started with. But</p> <p>13 clinically whatever forces or amount of</p> <p>14 elongation occurs in the placement of the</p> <p>15 sling does not affect clinical outcomes and</p> <p>16 that's what -- you know, what we have to look</p> <p>17 at.</p> <p>18 BY MR. FAES:</p> <p>19 Q. Would you agree that the TVT mesh is not</p> <p>20 designed to fray?</p> <p>21 MS. KATZ GERSTEL: Object to form.</p> <p>22 A. I mean, earlier I said that, you know, did</p> <p>23 not -- or I have not designed a biomedical</p> <p>24 device. I have not found that the TVT devices</p>
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<p>1 asking what the force on the sling is after</p> <p>2 it's been placed versus how much forces it may</p> <p>3 be seeing in the course of being placed. And,</p> <p>4 no, I can't -- I can't give you a specific</p> <p>5 number as to what -- how many newtons a cough</p> <p>6 is or a squat is.</p> <p>7 But my recollection of the -- and I don't</p> <p>8 know that we quoted it here -- Dr. Dietz in</p> <p>9 Australia did a study of meshes looking at</p> <p>10 uniaxial tension or deformation of mesh, and I</p> <p>11 think the number he had was 10 to 15 newtons.</p> <p>12 But again, that's -- it's supraphysiologic in</p> <p>13 terms of, you know, what the mesh would see</p> <p>14 with a cough, a sneeze, going to the gym.</p> <p>15 BY MR. FAES:</p> <p>16 Q. Do you intend to offer any opinions in this</p> <p>17 case as to what percentage the TVT mesh can</p> <p>18 become elongated when subjected to normal</p> <p>19 forces during implantation of the mesh?</p> <p>20 MS. KATZ GERSTEL: Object to form.</p> <p>21 A. Again, I don't know how that would affect</p> <p>22 clinical outcomes. So I don't -- I don't know</p> <p>23 that I have an opinion about elongation of the</p> <p>24 mesh during implantation.</p>	<p>1 fray at all.</p> <p>2 BY MR. FAES:</p> <p>3 Q. Have you read any documents or any memorandums</p> <p>4 in this case from Ethicon medical directors</p> <p>5 where they conclude that fraying is actually</p> <p>6 inherent in the construction of the TVT</p> <p>7 mechanically-cut mesh?</p> <p>8 MS. KATZ GERSTEL: Objection.</p> <p>9 A. I think that if fraying occurs, I haven't seen</p> <p>10 that -- that affects clinical outcomes or</p> <p>11 efficacy.</p> <p>12 BY MR. FAES:</p> <p>13 Q. Would you agree that if fraying does occur, it</p> <p>14 would be considered an unwanted effect of the</p> <p>15 TVT mesh?</p> <p>16 MS. KATZ GERSTEL: Objection.</p> <p>17 A. Again, I don't know how clinically relevant</p> <p>18 fraying or not fraying is, because I don't</p> <p>19 see -- I don't see any sort of untoward effect</p> <p>20 on clinical outcomes if fraying occurs. I</p> <p>21 don't -- I don't know that it does.</p> <p>22 BY MR. FAES:</p> <p>23 Q. So you're unaware and you've never seen</p> <p>24 multiple reports from physicians to Ethicon</p>

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<p>1 and Johnson &amp; Johnson where they report frayed</p> <p>2 edges of the mesh protruding through the</p> <p>3 vaginal epithelium of women that have been</p> <p>4 treated with the TVT sling?</p> <p>5 MS. KATZ GERSTEL: Objection.</p> <p>6 A. So I've read reports of mesh exposure, which I</p> <p>7 think is what you're describing.</p> <p>8 BY MR. FAES:</p> <p>9 Q. No. I am specifically describing frayed edges</p> <p>10 of mesh sticking through the vaginal</p> <p>11 epithelium reported by doctors to Ethicon and</p> <p>12 Johnson &amp; Johnson.</p> <p>13 MS. KATZ GERSTEL: Objection.</p> <p>14 A. I guess I'm -- through -- through the incision</p> <p>15 that they placed the mesh through? Through a</p> <p>16 separate area?</p> <p>17 BY MR. FAES:</p> <p>18 Q. Through a separate area, not through the</p> <p>19 incision.</p> <p>20 A. So that -- what you're saying is that that's a</p> <p>21 mesh exposure; that someone had the mesh</p> <p>22 implanted and then they re-presented to their</p> <p>23 doctor with an edge of the mesh coming through</p> <p>24 the vagina?</p>	<p>1 And, you know, I will admit that, you know,</p> <p>2 mesh can -- there's an exposure rate; it's</p> <p>3 very low. And I haven't seen in my own</p> <p>4 experience frayed mesh. I would need to know</p> <p>5 more about what they're seeing and a bit more</p> <p>6 about those patients before, you know, passing</p> <p>7 judgment on -- on that.</p> <p>8 BY MR. FAES:</p> <p>9 Q. So you'd agree with me that there could be</p> <p>10 information that you haven't seen in this case</p> <p>11 that could change your opinions regarding the</p> <p>12 safety and efficacy of the TVT or TVT-O?</p> <p>13 MS. KATZ GERSTEL: Objection.</p> <p>14 A. I mean, it's possible. I mean, I haven't -- I</p> <p>15 haven't read every, you know, piece of paper</p> <p>16 that's -- that's out there. Sure, it's</p> <p>17 possible that there's something I haven't read</p> <p>18 that would, you know, change my idea about</p> <p>19 safety and efficacy. But after putting in</p> <p>20 1200 slings, not seeing fraying; I'm not</p> <p>21 seeing significant exposures; I'm not seeing</p> <p>22 dyspareunia; I'm not seeing issues with, you</p> <p>23 know, clinical outcomes in the long term.</p> <p>24 BY MR. FAES:</p>
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<p>1 Q. Right. An exposure which the physician who</p> <p>2 trimmed the mesh specifically described as a</p> <p>3 frayed edge; have you ever seen reports of</p> <p>4 that to Ethicon and Johnson &amp; Johnson?</p> <p>5 MS. KATZ GERSTEL: Objection.</p> <p>6 A. I mean, what happens to the mesh when it's</p> <p>7 within the vagina, I think, is -- and, you</p> <p>8 know, what it's subjected to potentially, you</p> <p>9 know, toilet paper and intercourse and other</p> <p>10 sorts of external stimulus can certainly</p> <p>11 affect the appearance of mesh. I have not</p> <p>12 read reports of frayed edges on exposures.</p> <p>13 Exposed mesh is exposed mesh.</p> <p>14 BY MR. FAES:</p> <p>15 Q. So if you saw multiple reports from doctors</p> <p>16 where they reported to Ethicon and Johnson &amp;</p> <p>17 Johnson seeing frayed edges of the mesh</p> <p>18 protruding through the vaginal epithelium or</p> <p>19 sharp, spiky edges, would that change your</p> <p>20 opinion in this case as to whether or not</p> <p>21 fraying mesh can cause adverse patient</p> <p>22 consequences?</p> <p>23 MS. KATZ GERSTEL: Objection.</p> <p>24 A. I guess I don't know if -- if the mesh frays.</p>	<p>1 Q. Would you agree that the TVT mesh is not</p> <p>2 designed to deform?</p> <p>3 MS. KATZ GERSTEL: Objection.</p> <p>4 A. I think that the TVT mesh is designed to be</p> <p>5 flexible with a certain amount of stiffness.</p> <p>6 I think that that's -- you know, besides the</p> <p>7 fact that you're placing it at the midurethra,</p> <p>8 I think that's the -- the level of stiffness</p> <p>9 also impacts some of the success of the TVT,</p> <p>10 not just the fact that it's at the midurethra,</p> <p>11 which I think is supported in the literature.</p> <p>12 If you look at some of the head-to-head</p> <p>13 trials, Sparc versus TVT, they're relatively</p> <p>14 similar meshes, but the TVT is a little less</p> <p>15 stiff, and it also has a higher cure rate.</p> <p>16 And so it's not just that placing the mesh in</p> <p>17 the midurethra guarantees success. I think</p> <p>18 there's something to the biomechanical</p> <p>19 properties, as well.</p> <p>20 But -- I didn't answer your question.</p> <p>21 The mesh is not -- they didn't design mesh</p> <p>22 with the idea for it to deform. They designed</p> <p>23 the mesh for it to support the midurethra.</p> <p>24 BY MR. FAES:</p>

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<p>1 Q. So you would agree that if the TVT mesh were</p> <p>2 to become deformed or curled underneath the</p> <p>3 urethra, that would be an unintended</p> <p>4 consequence, correct?</p> <p>5 MS. KATZ GERSTEL: Objection.</p> <p>6 A. We try to place the slings underneath the</p> <p>7 midurethral flat without tension. I've not</p> <p>8 seen a sling that has curled or folded on</p> <p>9 itself or frayed. What I've seen are slings</p> <p>10 that are not positioned at the midurethra, and</p> <p>11 that's -- that's really the majority of what</p> <p>12 I've seen.</p> <p>13 BY MR. FAES:</p> <p>14 Q. But you would agree if that were to occur, it</p> <p>15 would be an unintended effect, correct?</p> <p>16 MS. KATZ GERSTEL: Objection.</p> <p>17 A. Well, I think it would be unintended for</p> <p>18 anyone to place a sling improperly, and I</p> <p>19 think it would be unintended for the sling to</p> <p>20 not sit, you know, flatly against the urethra.</p> <p>21 MS. KATZ GERSTEL: Can I ask how we're</p> <p>22 doing on time?</p> <p>23 MR. FAES: We've got, like, seven minutes</p> <p>24 or so.</p>	<p>1 2010 titled: Pre-ramus passage of inside-out</p> <p>2 transobturator sling. Is that correct?</p> <p>3 A. (Examining document) Yes.</p> <p>4 Q. And the first sentence of that abstract is,</p> <p>5 groin pain after transobturator tape is not</p> <p>6 uncommon; is that correct?</p> <p>7 A. Correct. Mm-hmm.</p> <p>8 Q. So just looking at Exhibit No. 7, if you turn</p> <p>9 to the second page, second column, and you</p> <p>10 state in that article: Conceivably the</p> <p>11 proximity of the mesh to a branch of the</p> <p>12 anterior obturator nerve may cause compression</p> <p>13 and entrapment, parentheses, before entering</p> <p>14 the thigh, the obturator nerve divides into an</p> <p>15 interior and posterior branch. Then the</p> <p>16 anterior branch travels superficial to the</p> <p>17 internal obturator muscle but deep into the</p> <p>18 pectineus and adductor longus muscle, and then</p> <p>19 it travels superficial to the adductor brevis</p> <p>20 muscle; and finally the motor branches arise</p> <p>21 distal the obturator foramen and supply the</p> <p>22 adductor brevis, adductor longus and gracilis</p> <p>23 muscles. Interior branch entrapment may lead</p> <p>24 to exercise-related pain or may consist of</p>
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<p>1 BY MR. FAES:</p> <p>2 Q. I'm going to hand you two exhibits, Doctor,</p> <p>3 because I'm running out of time.</p> <p>4 A. Okay.</p> <p>5 Q. Exhibit 11 and 12.</p> <p>6 MR. FAES: I'm getting yours.</p> <p>7 (Deposition Exhibit No. 11 was marked for</p> <p>8 identification.)</p> <p>9 MR. FAES: That's 11.</p> <p>10 (Deposition Exhibit No. 12 was marked for</p> <p>11 identification.)</p> <p>12 BY MR. FAES:</p> <p>13 Q. And Exhibit No. 11 is an article published by</p> <p>14 you titled Management of Persistent Groin Pain</p> <p>15 After Transobturator Slings.</p> <p>16 Do you see that?</p> <p>17 A. (Examining document) Yeah.</p> <p>18 Q. And the first sentence of the abstract is</p> <p>19 prolonged groin pain after transobturator tape</p> <p>20 is uncommon.</p> <p>21 Do you see that?</p> <p>22 A. Yes.</p> <p>23 Q. And then if you look at Exhibit No. 12, this</p> <p>24 is another article by you in -- published in</p>	<p>1 groin pain.</p> <p>2 Do you see that?</p> <p>3 A. Yeah.</p> <p>4 Q. Now, this published -- this article was</p> <p>5 published in 2007, correct?</p> <p>6 A. Yes.</p> <p>7 Q. And this is specifically treating a sling that</p> <p>8 a patient had been treated with using the</p> <p>9 obturator approach?</p> <p>10 A. So this -- this article was basically a case</p> <p>11 series of three women who had persistent groin</p> <p>12 pain after -- specifically after an outside-in</p> <p>13 transobturator sling, the Monarc.</p> <p>14 Q. And at this time in 2007, the TVT-O had</p> <p>15 actually been around for about three years and</p> <p>16 the Monarc sling a little longer than that,</p> <p>17 right?</p> <p>18 A. Correct.</p> <p>19 Q. And do you know that this article is actually</p> <p>20 cited quite frequently by other items in the</p> <p>21 literature for the proposition that the TVT-O</p> <p>22 can actually cause groin pain due to its</p> <p>23 proximity to the adductor muscles?</p> <p>24 MS. KATZ GERSTEL: Objection.</p>

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<p>1 A. I'm kind of familiar with the article being 2 cited a lot. I don't know -- you know, both 3 TOTs and TVT-Os go through the medial 4 compartment of the thigh so... 5 BY MR. FAES: 6 Q. Do you know whether or not -- well, strike 7 that. 8 First of all, would you agree that the 9 fact that this 2007 article is quite 10 frequently cited for that proposition 11 indicates that this was potentially new or 12 novel information to the medical community as 13 of 2007? 14 MS. KATZ GERSTEL: Objection. 15 A. I -- I don't think so. I mean, I think that I 16 just, you know, wrote about my experience in 17 dealing with these three patients, and in all 18 likelihood other people were having -- were 19 finding similar issues. It was just I was 20 quicker to write about it than other folks. 21 BY MR. FAES: 22 Q. Would you agree that the evolution of one of 23 your conclusions in the article from 2007, from 24 prolonged groin pain with transobturator tape</p>	<p>1 usually self-limited, and it's pretty uncommon 2 to see groin pain, you know, after, let's say, 3 three weeks. 4 BY MR. FAES: 5 Q. Have you seen documents in your review in 6 issuing your opinions in this case indicating 7 that Ethicon and Johnson &amp; Johnson, as early as 8 2004, believed that persistent groin pain with 9 the TVT-O was actually common and were already 10 considering changes to the design of the 11 device to address that issue less than three 12 months after the device had been launched in 13 the United States? 14 MS. KATZ GERSTEL: Objection. 15 A. I don't remember seeing those documents. 16 MR. FAES: Off the record for a second. 17 (Off-the-record colloquy.) 18 MR. FAES: Doctor, I have many more 19 questions for you, but I'm informed I am out 20 of time. So thank you for your time. I will 21 let defense counsel conduct any questioning 22 which she may have. 23 MS. KATZ GERSTEL: Thank you. 24 CROSS-EXAMINATION</p>
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<p>1 is uncommon to groin pain after a 2 transobturator tape is not uncommon, reflects 3 an evolution in the understanding of how 4 common groin pain following a transobturator 5 tape procedure was between 2007 and 2010? 6 MS. KATZ GERSTEL: Objection. 7 A. I mean, the point of -- the point of my 8 language in the first paper where I say 9 prolonged groin pain after transobturator tape 10 is uncommon was to point out that it is 11 uncommon, number one; and number two is 12 because it's uncommon, here are three cases of 13 people who had this uncommon event. 14 My language in the other article, in the 15 abstract, which again is a distillation of the 16 article, I start off the abstract with groin 17 pain after transobturator tape is not 18 uncommon. But I also didn't preface it by 19 saying prolonged groin pain. I just said 20 that, you know, out there people experience 21 some groin pain after transobturator routes of 22 surgery. 23 But then I think that later on in both 24 articles I talk about how the groin pain is</p>	<p>1 BY MS. KATZ GERSTEL: 2 Q. Dr. Roth, would it be fair to say that you 3 have been implanting both the TVT retropubic 4 and the TVT-O for some 13 years? 5 A. Yes. 6 Q. And I believe you testified that you've 7 implanted a total of over a thousand TVTs and 8 TVT-Os combined? 9 A. Easily, yes. 10 Q. Have the vast majority of your patients been 11 happy with their results after having a TVT or 12 a TVT-O implanted? 13 MR. FAES: Object to form. 14 A. The vast majority are very pleased with their 15 outcomes, and I can't remember a specific 16 patient who regretted her decision to have a 17 sling. 18 BY MS. KATZ GERSTEL: 19 Q. For the vast majority of patients in whom you 20 have implanted a TVT or a TVT-O, has their 21 surgery improved their quality of life? 22 MR. FAES: Object to form. 23 A. Yes. 24 BY MS. KATZ GERSTEL:</p>

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<p>1 Q. Do most patients in whom you implant a TVT or</p> <p>2 TVT-O have complications?</p> <p>3 MR. FAES: Objection.</p> <p>4 A. I guess it depends on how you define</p> <p>5 complications, but for the most part, people</p> <p>6 do quite well after slings that I implanted.</p> <p>7 BY MS. KATZ GERSTEL:</p> <p>8 Q. For patients who do have complications after</p> <p>9 TVT or TVT-O, in your hands, is their</p> <p>10 complication usually treatable?</p> <p>11 MR. FAES: Object to form.</p> <p>12 A. Yes.</p> <p>13 BY MS. KATZ GERSTEL:</p> <p>14 Q. And are their complications usually treatable</p> <p>15 conservatively?</p> <p>16 MR. FAES: Object to form.</p> <p>17 A. Yes.</p> <p>18 BY MS. KATZ GERSTEL:</p> <p>19 Q. Do you regularly read the peer-reviewed</p> <p>20 medical literature --</p> <p>21 (Off-the-record colloquy.)</p> <p>22 BY MS. KATZ GERSTEL:</p> <p>23 Q. Do you regularly read the peer-reviewed</p> <p>24 medical literature on midurethral slings</p>	<p>1 mechanically-cut -- strike that.</p> <p>2 Do you agree that TVT can have</p> <p>3 mechanically-cut mesh or laser-cut mesh?</p> <p>4 A. Yes. They -- I think the Exact only comes as</p> <p>5 laser-cut, but the regular retropubic can come</p> <p>6 as both laser- or mechanically-cut. And the</p> <p>7 Abbrevio, I think, is laser-cut and the TVT-O can</p> <p>8 come as laser-cut or mechanically-cut. But I</p> <p>9 use just the mechanically-cut material.</p> <p>10 Q. Dr. Roth, whether it's mechanically-cut or</p> <p>11 laser-cut -- strike that.</p> <p>12 Doctor, if the TVT has laser-cut mesh or</p> <p>13 mechanically-cut mesh, regardless of whether</p> <p>14 it has -- strike that. Start over.</p> <p>15 Doctor, regardless of whether a TVT has</p> <p>16 laser-cut mesh or mechanically-cut mesh, it's</p> <p>17 still a TVT; is that correct?</p> <p>18 A. Yes.</p> <p>19 Q. And regardless of whether a TVT-O has a</p> <p>20 laser-cut mesh or a mechanically-cut mesh,</p> <p>21 it's still a TVT-O; is that correct?</p> <p>22 A. Yes.</p> <p>23 Q. Is it true that -- strike that.</p> <p>24 Are you aware of any peer-reviewed</p>
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<p>1 including TVT and TVT-O?</p> <p>2 MR. FAES: Object to form.</p> <p>3 A. Yes.</p> <p>4 BY MS. KATZ GERSTEL:</p> <p>5 Q. Do you confer with your medical colleagues</p> <p>6 about midurethral slings including TVT and</p> <p>7 TVT-O?</p> <p>8 MR. FAES: Object to form.</p> <p>9 A. Yes.</p> <p>10 BY MS. KATZ GERSTEL:</p> <p>11 Q. Do you attend medical society conferences at</p> <p>12 which TVT and TVT-O are discussed?</p> <p>13 A. Yes.</p> <p>14 Q. Are your opinions on TVT and TVT-O based on</p> <p>15 your own outcomes with the devices, as well as</p> <p>16 the peer-reviewed medical literature?</p> <p>17 MR. FAES: Object to form.</p> <p>18 A. Yes.</p> <p>19 BY MS. KATZ GERSTEL:</p> <p>20 Q. Do you recall that Mr. Faes asked you some</p> <p>21 questions about laser-cut mesh versus</p> <p>22 mechanically-cut mesh?</p> <p>23 A. I remember those questions.</p> <p>24 Q. Is it correct that TVT comes both as a</p>	<p>1 medical literature that has ever shown any</p> <p>2 different outcomes for patients whether</p> <p>3 they've had a mechanically-cut mesh or a</p> <p>4 laser-cut mesh?</p> <p>5 MR. FAES: Object to form.</p> <p>6 A. I'm not aware of any publications in that</p> <p>7 regard, no.</p> <p>8 BY MS. KATZ GERSTEL:</p> <p>9 Q. Are you aware of any evidence whatsoever from</p> <p>10 any source that has ever shown different</p> <p>11 outcomes for patients according to whether</p> <p>12 they've had a mechanically-cut mesh or a</p> <p>13 laser-cut mesh?</p> <p>14 MR. FAES: Object to form.</p> <p>15 A. No, I'm not aware of that.</p> <p>16 BY MS. KATZ GERSTEL:</p> <p>17 Q. And yourself having implanted more than a</p> <p>18 thousand TVTs and TVT-Os, have you ever seen</p> <p>19 any clinical differences in outcomes between</p> <p>20 laser-cut mesh and mechanically-cut mesh?</p> <p>21 MR. FAES: Object to form.</p> <p>22 A. No.</p> <p>23 BY MS. KATZ GERSTEL:</p> <p>24 Q. Doctor, do you recall that Mr. Faes asked you</p>

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<p>1 some questions about blue mesh versus clear</p> <p>2 mesh?</p> <p>3 A. Yes.</p> <p>4 Q. Are you aware of any evidence whatsoever from</p> <p>5 any source indicating that patients have</p> <p>6 different outcomes depending on whether</p> <p>7 they've had a blue mesh or a clear mesh?</p> <p>8 MR. FAES: Object to form.</p> <p>9 A. No.</p> <p>10 BY MS. KATZ GERSTEL:</p> <p>11 Q. And have you ever seen in your own practice a</p> <p>12 difference in outcomes for patients depending</p> <p>13 on whether they've had a blue mesh or a clear</p> <p>14 mesh?</p> <p>15 MR. FAES: Object to form.</p> <p>16 A. No.</p> <p>17 BY MS. KATZ GERSTEL:</p> <p>18 Q. Do you recall Mr. Faes asking you about the</p> <p>19 pore size of the mesh used in TVT and TVT-O?</p> <p>20 A. Yes.</p> <p>21 Q. Are you aware of whether the mesh in TVT and</p> <p>22 TVT-O are macroporous type 1 meshes?</p> <p>23 MR. FAES: Object to form.</p> <p>24 A. They're macroporous type 1 meshes.</p>	<p>1 MR. FAES: Object to form.</p> <p>2 A. I think that's fair.</p> <p>3 BY MS. KATZ GERSTEL:</p> <p>4 Q. As a surgeon who has implanted over a thousand</p> <p>5 TVTs and TVT-Os combined, are you an expert in</p> <p>6 how the design of the TVT and TVT-O avoids</p> <p>7 unintended trauma?</p> <p>8 MR. FAES: Object to form.</p> <p>9 A. Yes.</p> <p>10 BY MS. KATZ GERSTEL:</p> <p>11 Q. As a surgeon who has implanted over a thousand</p> <p>12 TVTs and TVT-Os combined, are you an expert in</p> <p>13 how the design of the TVT and TVT-O minimizes</p> <p>14 the potential for complications?</p> <p>15 MR. FAES: Object to form.</p> <p>16 A. Yes.</p> <p>17 BY MS. KATZ GERSTEL:</p> <p>18 Q. As a surgeon who was trained in non-mesh</p> <p>19 anti-incontinence surgeries and has implanted</p> <p>20 over a thousand TVT-Os and TVTs combined and</p> <p>21 who regularly reads the peer-reviewed medical</p> <p>22 literature on midurethral slings and confers</p> <p>23 with colleagues on midurethral slings, are you</p> <p>24 an expert in what risks pelvic surgeons are</p>
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<p>1 BY MS. KATZ GERSTEL:</p> <p>2 Q. Why is it -- strike that.</p> <p>3 Is it your understanding that type 1</p> <p>4 macroporous meshes are the most -- well,</p> <p>5 strike that.</p> <p>6 Is it your understanding that type 1</p> <p>7 macroporous polypropylene meshes are the best</p> <p>8 tolerated meshes to use in the human body?</p> <p>9 MR. FAES: Object to form.</p> <p>10 A. In terms of their use in the vagina and also</p> <p>11 for abdominal repairs that I do,</p> <p>12 sacrocolpopexies, those are the safest meshes.</p> <p>13 (Off-the-record colloquy.)</p> <p>14 Q. And can you explain why it's important that --</p> <p>15 strike that.</p> <p>16 Doctor, do you recall Mr. Faes asking you</p> <p>17 some questions about what you are an expert</p> <p>18 in?</p> <p>19 A. Yeah.</p> <p>20 Q. Having implanted over a thousand TVTs and</p> <p>21 TVT-Os and then followed your patients for</p> <p>22 years afterwards, is it fair to say that</p> <p>23 you're an expert in how a woman's body reacts</p> <p>24 to the implantation of TVT or TVT-O?</p>	<p>1 aware of before they do a midurethral sling</p> <p>2 surgery?</p> <p>3 MR. FAES: Object to form.</p> <p>4 A. Yes.</p> <p>5 BY MS. KATZ GERSTEL:</p> <p>6 Q. And are you thereafter an expert in what</p> <p>7 warnings pelvic surgeons would need to be</p> <p>8 given prior to performing a TVT or TVT-O?</p> <p>9 MR. FAES: Object to form.</p> <p>10 A. Yes.</p> <p>11 BY MS. KATZ GERSTEL:</p> <p>12 Q. Is it your opinion that the design of the TVT</p> <p>13 makes it a safe and effective device?</p> <p>14 MR. FAES: Object to form.</p> <p>15 A. Yes.</p> <p>16 BY MS. KATZ GERSTEL:</p> <p>17 Q. Is it your opinion that the design of the</p> <p>18 TVT-O makes that a safe and effective device?</p> <p>19 MR. FAES: Object to form.</p> <p>20 A. Yes.</p> <p>21 BY MS. KATZ GERSTEL:</p> <p>22 Q. And can you explain how the design of the</p> <p>23 TVT-O, promotes its safety and efficacy?</p> <p>24 A. I mean, the idea behind the obturator sling</p>

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<p>1 was to change the complication profile of a 2 retropubic approach, specifically perforating 3 the bladder, bowel, and great vessels of the 4 pelvis.</p> <p>5 The TOT, which came out prior to the 6 TVT-O was a novel approval whereby the trocars 7 were passed through the -- the groin, 8 ischiorectal or superior aspect -- aspect of 9 the ischiorectal fossa, paravaginal space and 10 then into the vagina so that we're not getting 11 anywhere near the bladder, the bowel, or the 12 pelvis.</p> <p>13 The innovation of the TVT-O, which in my 14 mind I favor over the TOT, is that you're 15 starting at the mid-vagina, which is important 16 for the efficacy of these procedures. But the 17 sling is placed at midurethra or very close to 18 what's considered to be the midurethra.</p> <p>19 And then passage of the device from 20 inside to out again in my mind is safer from 21 inside to out than outside to in because of 22 the anatomy and how the obturator 23 neurovascular bundle presents itself to the 24 sling.</p>	<p>1 anchors. If you weren't using a full length 2 piece of material, then you would do 3 essentially what was known as a sling on a 4 string, and you would attach suture tails to 5 the end of the sling, but you would still have 6 to go above, make an incision to fix the 7 material there.</p> <p>8 The novel thing about the TVT is that 9 although you are still going retropubically, 10 you no longer have to affix the material to 11 the rectus fascia or to the -- the pubic bones 12 with bone anchors. You have essentially an 13 anchorless system, which requires less 14 dissection, less invasive. And, you know, in 15 my mind people have significant -- there were 16 case reports of people developing 17 osteomyelitis with the bone anchors and other 18 sorts of infections, seromas, with the 19 pubovaginal sites.</p> <p>20 Q. Doctor, does the IFU for the TVT and TVT-O, do 21 those include every single possible 22 complication attendant to the implantation of 23 those devices? 24 MR. FAES: Object to form.</p>
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<p>1 From outside to in, the neurovascular 2 bundle runs along the outside of the obturator 3 foramen. So if you're going from outside to 4 in, in my mind and in some papers, you have a 5 greater risk of injuring that neurovascular 6 bundle because it's in front of the bone.</p> <p>7 If you're coming from inside to out, that 8 neurovascular bundle is naturally protected 9 because it's running around the outer rim of 10 the bone.</p> <p>11 So I think you have, you know, greater 12 protection and greater safety with the TVT-O 13 versus the TOT, although I think that most of 14 your meta-analyses, systematic reviews 15 probably find that there's really not a 16 significant difference in terms of safety of 17 inside-out versus outside-in.</p> <p>18 Q. And can you explain how the design of the TVT 19 promotes the safety and efficacy of that 20 device? 21 A. So, you know, the original pubovaginal slings 22 that we were doing there was a means of you 23 had to affix the sling to either the rectus 24 fascia or the retropubic space with bone</p>	<p>1 A. You know, I don't think that the IFUs contain 2 every conceivable possible complication 3 from -- from those devices, but I think that 4 they contain the -- what's relevant to not 5 only the implanting surgeon but also to the 6 patients.</p> <p>7 BY MS. KATZ GERSTEL: 8 Q. Do the IFUs need to contain every single 9 possible complication for the TVT and TVT-O? 10 MR. FAES: Object to form.</p> <p>11 A. I think that a lot of what's contained in the 12 IFUs -- the majority of what's contained in 13 the IFUs are well-known complications to 14 pelvic surgeons, urologists, urogynecologists, 15 people doing incontinence surgery. So I don't 16 think that an exhaustive list of complications 17 is necessary, and I also don't think that it 18 would impact patient care or decision-making 19 for -- for that surgeon to do that procedure.</p> <p>20 BY MS. KATZ GERSTEL: 21 Q. Doctor, if you have dinner with a sales rep 22 from a medical device or pharmaceutical 23 company, do you receive cash? 24 A. No. I just -- I just get dinner.</p>

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<p>1 Q. Doctor, do you recall that Mr. Faes asked you</p> <p>2 some questions about the work that you've done</p> <p>3 with various medical devices and</p> <p>4 pharmaceutical companies?</p> <p>5 A. Yes.</p> <p>6 Q. Has the work that you've done with medical</p> <p>7 devices and pharmaceutical companies mostly</p> <p>8 involved teaching or instructing other</p> <p>9 surgeons and doctors?</p> <p>10 MR. FAES: Object to form.</p> <p>11 A. Yeah. I mean, the majority of what I was</p> <p>12 contracted to do by J &amp; J and what I still</p> <p>13 continue to do for Medtronic is teaching</p> <p>14 other -- other physicians how to do</p> <p>15 procedures.</p> <p>16 There was maybe one event where -- well,</p> <p>17 there may be a few events where J &amp; J brought</p> <p>18 a lot of implanters and had us congregate for</p> <p>19 us to discuss pearls, tips, tricks to get our</p> <p>20 opinions and to sort of see how things were</p> <p>21 going for their -- for feedback.</p> <p>22 But the majority of what I was contracted</p> <p>23 to do was to -- was to teach both at my</p> <p>24 facility, at a doctor's facility and also at</p>	<p>1 this clause, which states, you shall not make</p> <p>2 any representation relating to companies'</p> <p>3 products or to companies' clinical outcomes</p> <p>4 unless such representations have been reviewed</p> <p>5 and approved in advance by a company.</p> <p>6 A. Mm-hmm.</p> <p>7 Q. Do you recall being asked about that?</p> <p>8 A. Yeah.</p> <p>9 Q. Doctor, did you ever make any representations</p> <p>10 to doctors you were teaching, according to</p> <p>11 this contract with Ethicon, that you did not</p> <p>12 believe were accurate or supported by the</p> <p>13 medical evidence?</p> <p>14 MR. FAES: Object to form.</p> <p>15 A. I did not.</p> <p>16 BY MS. KATZ GERSTEL:</p> <p>17 Q. Doctor, you were also asked about Exhibit 9,</p> <p>18 which is a chain of e-mails between you and</p> <p>19 personnel at your hospital.</p> <p>20 Do you recall those questions?</p> <p>21 A. Yes.</p> <p>22 Q. And on the first page of Exhibit 9, the page</p> <p>23 ending in 6013, this is an e-mail that you</p> <p>24 sent to Steve Gauthier, James Hagen, copying</p>
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<p>1 cadaver labs.</p> <p>2 BY MS. KATZ GERSTEL:</p> <p>3 Q. Doctor, would you ever do work, including</p> <p>4 speaking and teaching, for a medical device or</p> <p>5 pharmaceutical company if you believed that</p> <p>6 the safety and efficacy of the products you</p> <p>7 were speaking or teaching about were not</p> <p>8 supported by medical evidence?</p> <p>9 MR. FAES: Object to form.</p> <p>10 A. Yeah, no, I try to be pretty ethical. I</p> <p>11 wouldn't -- if I felt like the TVT products</p> <p>12 were unsafe or didn't have good outcomes, I --</p> <p>13 number one, I wouldn't attend them; and,</p> <p>14 number two, I certainly wouldn't teach other</p> <p>15 people how to do it.</p> <p>16 And the same thing for my relationships</p> <p>17 with the drug companies; I wouldn't get up in</p> <p>18 front of a group of people and tell them about</p> <p>19 a drug if it was unsafe or not effective.</p> <p>20 BY MS. KATZ GERSTEL:</p> <p>21 Q. Doctor, you were asked about an Exhibit 8,</p> <p>22 which is a contract that you had with Ethicon,</p> <p>23 dated April 30th of 2009. On the page ending</p> <p>24 in 0275 under number 12, you were asked about</p>	<p>1 Laird Covey and Lisa Ledoux; is that correct?</p> <p>2 A. Yes.</p> <p>3 Q. And when you drafted this e-mail, on March 14,</p> <p>4 2009, were you working as an expert for</p> <p>5 Ethicon at this time?</p> <p>6 A. I was working as a proctor and preceptor at</p> <p>7 that point.</p> <p>8 Q. And you were not working as an expert yet; is</p> <p>9 that correct?</p> <p>10 A. An expert in regards to mesh --</p> <p>11 Q. Litigation expert.</p> <p>12 A. No.</p> <p>13 Q. Doctor, I want to read a couple of sentences</p> <p>14 from this e-mail. Going down to about the</p> <p>15 middle of the page did you write in this</p> <p>16 e-mail: These products, meaning the Johnson &amp;</p> <p>17 Johnson products that you were going to be</p> <p>18 precepting on, these products are FDA</p> <p>19 approved, rigorously studied and are what I</p> <p>20 would recommend to my family members.</p> <p>21 A. I wrote that, yes.</p> <p>22 Q. And then right below that did you write the</p> <p>23 following: I'm approached weekly by other</p> <p>24 device companies to use their products and</p>

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<p>1 become preceptors from them. I favor J &amp; J</p> <p>2 since I've had about a decade of experience</p> <p>3 with their products, and again, they are the</p> <p>4 most rigorously studied products.</p> <p>5 A. Yes, I wrote that.</p> <p>6 Q. And then turning on to the third page which</p> <p>7 ends in 6015.</p> <p>8 Is this another e-mail that you wrote?</p> <p>9 It actually starts on the bottom of 6014.</p> <p>10 A. Yes. This is -- that's part of the e-mail on</p> <p>11 6014, correct.</p> <p>12 Q. And so looking back at 6015, do you see where</p> <p>13 it starts: Patients are not being brought to</p> <p>14 the OR?</p> <p>15 A. Okay. Yeah, I see -- I see where you are now,</p> <p>16 yeah.</p> <p>17 Q. Patients are not being brought to the OR to</p> <p>18 use J &amp; J products. They are being brought to</p> <p>19 the OR to have surgery to correct specific</p> <p>20 problems. I choose to use J &amp; J products</p> <p>21 since they have the most data to support them</p> <p>22 out of all the possible medical device</p> <p>23 companies that make products for incontinence</p> <p>24 and prolapse. These procedures are done</p>	<p>1 the most, as opposed to me offering them some</p> <p>2 sort of treatment that hasn't been rigorously</p> <p>3 studied, vetted, you know, something that is</p> <p>4 based on anecdotal, you know, single case</p> <p>5 report. Evidence-based medicine is based on,</p> <p>6 you know, specific trials, powered</p> <p>7 investigations, adequate, you know, control</p> <p>8 groups and rigorous assessment of outcomes.</p> <p>9 Q. Doctor, could you please turn to page 6 of</p> <p>10 your report?</p> <p>11 A. Okay.</p> <p>12 Q. Do you see the sentence down at the bottom</p> <p>13 that Mr. Faes asked you about, MUS, including</p> <p>14 TVT and TVT-O, are taught in residency and</p> <p>15 fellowship programs throughout the United</p> <p>16 States and are the gold standard procedure for</p> <p>17 SUI?</p> <p>18 A. Yes.</p> <p>19 Q. Do you recall Mr. Faes asking you some</p> <p>20 questions about this statement?</p> <p>21 A. Yes.</p> <p>22 Q. Are TVT and TVT-O among the midurethral slings</p> <p>23 that Serati was talking about?</p> <p>24 A. Yes.</p>
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<p>1 according to strict guidelines and no</p> <p>2 deviation -- I don't know what the next word</p> <p>3 is -- and then it says standard of care.</p> <p>4 Did I read that correctly?</p> <p>5 MR. FAES: Object to form.</p> <p>6 A. Yes. As much as I typed it incorrectly, you</p> <p>7 read it correctly.</p> <p>8 BY MS. KATZ GERSTEL:</p> <p>9 Q. Doctor, do you practice evidence-based</p> <p>10 medicine?</p> <p>11 MR. FAES: Object to form.</p> <p>12 A. Yes.</p> <p>13 BY MS. KATZ GERSTEL:</p> <p>14 Q. What is evidence-based medicine?</p> <p>15 A. It's medicine and surgery based upon what's</p> <p>16 been shown to be effective and safe in the</p> <p>17 medical literature.</p> <p>18 Q. How is it helpful to your patients to practice</p> <p>19 evidence-based medicine?</p> <p>20 A. I think by offering them what is</p> <p>21 evidence-based medicine, they're getting the</p> <p>22 best -- that might be too strong but the --</p> <p>23 they're getting the procedure, the treatment,</p> <p>24 the medicine that has been vetted and studied</p>	<p>1 Q. Could you turn to page 9, please. And can --</p> <p>2 do you see the sentence: Over 80 percent of</p> <p>3 women with SUI are cured or have significant</p> <p>4 improvement in their symptoms with either</p> <p>5 retropubic or transobturator route MUS for up</p> <p>6 to five years after surgery?</p> <p>7 A. Yes.</p> <p>8 Q. And that's a statement that is from the Ford</p> <p>9 2015 Cochrane paper; is that correct?</p> <p>10 A. Correct.</p> <p>11 Q. And are TVT and TVT-O included in the</p> <p>12 midurethral slings that are being referenced</p> <p>13 there?</p> <p>14 A. Yes.</p> <p>15 Q. Doctor, do you remember that Mr. Faes asked</p> <p>16 you some questions about patient satisfaction?</p> <p>17 A. Yes.</p> <p>18 Q. Could you please turn to page 15 of your</p> <p>19 report?</p> <p>20 A. Okay.</p> <p>21 Q. Do you include a discussion here under</p> <p>22 Retropubic Versus Transobturator Midurethral</p> <p>23 Slings about the Laurikainen 2014 paper?</p> <p>24 A. You're on page 15?</p>

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<p>1 Q. Yes.</p> <p>2 A. Yes.</p> <p>3 Q. And did the Laurikainen paper discuss patient</p> <p>4 satisfaction?</p> <p>5 A. Excuse me. Yes, it did. It addressed</p> <p>6 subjective success, and it's a</p> <p>7 patient-reported outcome.</p> <p>8 Q. This sentence in the middle of the paragraph,</p> <p>9 it starts 92.6 percent.</p> <p>10 Do you see where I'm reading?</p> <p>11 A. Yes.</p> <p>12 Q. I'll just read that sentence. 92.6 percent of</p> <p>13 women in the TVT group and 88.6 percent of the</p> <p>14 women in the TVT-O group reported that they</p> <p>15 would recommend the procedure to a friend.</p> <p>16 Doctor, is that an indication of patient</p> <p>17 satisfaction?</p> <p>18 MR. FAES: Object to form.</p> <p>19 A. Yes.</p> <p>20 BY MS. KATZ GERSTEL:</p> <p>21 Q. Doctor, is a 19 percent exposure or tape</p> <p>22 projection rate something that you have seen</p> <p>23 in your own practice?</p> <p>24 MR. FAES: Object to form.</p>	<p>1 of patients, 188,454 women who underwent sling</p> <p>2 revision, removal of mesh. The -- ultimately</p> <p>3 the nine-year risk of -- or the nine-year</p> <p>4 cumulative risk of reoperation was 3.7 percent</p> <p>5 with a risk of mesh erosion, slash, exposure</p> <p>6 of 2.5 percent.</p> <p>7 But with that being said, there were some</p> <p>8 limitations to that in terms of not knowing</p> <p>9 when they presented, not knowing what sling</p> <p>10 was placed, et cetera, et cetera. But that's</p> <p>11 a very low rate of erosion for a very large</p> <p>12 number of patients, which is consistent with</p> <p>13 my personal experience.</p> <p>14 Q. Does the Funk study show that there was a</p> <p>15 nine-year cumulative risk of 3.7 percent</p> <p>16 of the sling revision or removal due</p> <p>17 to mesh erosion and retention?</p> <p>18 A. That's correct.</p> <p>19 Q. Doctor, in formulating your opinions, do you</p> <p>20 base your opinions on the peer-reviewed</p> <p>21 medical literature?</p> <p>22 MR. FAES: Object to form.</p> <p>23 A. Yes.</p> <p>24 BY MS. KATZ GERSTEL:</p>
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<p>1 A. No.</p> <p>2 BY MS. KATZ GERSTEL:</p> <p>3 Q. Is a 19 percent exposure or tape projection</p> <p>4 rate a rate that has been reported in the</p> <p>5 meta-analyses and systematic reviews of</p> <p>6 randomized controlled trials on midurethral</p> <p>7 slings, including TVTs and TVT-Os?</p> <p>8 MR. FAES: Object to form.</p> <p>9 A. I don't think that any of the meta-analyses or</p> <p>10 systematic analyses reported rates anywhere</p> <p>11 close to 19 percent.</p> <p>12 BY MS. KATZ GERSTEL:</p> <p>13 Q. Could you please look at page 19 of your</p> <p>14 report?</p> <p>15 Under Mesh Exposure/Extrusion in your</p> <p>16 report, did you discuss the Funk study from</p> <p>17 2013?</p> <p>18 A. (Examining document) I did.</p> <p>19 Q. And can you tell us what that study found in</p> <p>20 terms of risk of reoperation due to exposure</p> <p>21 or erosion?</p> <p>22 A. Sure. So that was a population-based study.</p> <p>23 I can't remember the database that they</p> <p>24 accessed, but it's a pretty extensive number</p>	<p>1 Q. In formulating your opinions, do you base your</p> <p>2 opinions on highest level of evidence</p> <p>3 available?</p> <p>4 MR. FAES: Object to form.</p> <p>5 A. I try to make my opinions based on the</p> <p>6 meta-analyses and systematic reviews, which</p> <p>7 are the highest levels of evidence available.</p> <p>8 BY MS. KATZ GERSTEL:</p> <p>9 Q. Does the highest level of evidence in the</p> <p>10 medical literature consist of systematic</p> <p>11 reviews and meta-analyses?</p> <p>12 A. Yes.</p> <p>13 Q. And is that why you cited the Nager commentary</p> <p>14 on page 7 of your report which aggregates the</p> <p>15 results of four systematic reviews and</p> <p>16 meta-analyses?</p> <p>17 MR. FAES: Object to form.</p> <p>18 A. Yeah. That's why I -- I put that chart in,</p> <p>19 because it's a very nice summation of</p> <p>20 midurethral slings versus other incontinence</p> <p>21 procedures and the results based on those four</p> <p>22 meta-analyses.</p> <p>23 MS. KATZ GERSTEL: That's all I have.</p> <p>24 THE WITNESS: Sure.</p>

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<p style="text-align: right;">Page 242</p> <p>1 MR. FAES: Until tomorrow.  2 MS. KATZ GERSTEL: Yes.  3 (The deposition concluded at 4:45 p.m.)  4  5  6  7  8  9  10  11  12  13  14  15  16  17  18  19  20  21  22  23  24</p>	<p style="text-align: right;">Page 244</p> <p>1 CERTIFICATE  2 I, Beth Gaige, a Registered  3 Professional Reporter and Notary Public in and  4 for the State of Maine, hereby certify that  5 the within-named deponent was sworn to testify  6 the truth, the whole truth, and nothing but  7 the truth in the aforementioned cause of  8 action.  9 I further certify that this deposition  10 was stenographically reported by me and later  11 reduced to print through computer-aided  12 transcription, and the foregoing is a full and  13 true record of the testimony given by the  14 deponent.  15 I further certify that I am a  16 disinterested person in the event or outcome  17 of the above-named cause of action.  18 IN WITNESS WHEREOF, I subscribe my hand  19 and affix my seal this 28th day of March 2017.  20  21  22  23  24</p> <p style="text-align: right;">_____  Beth Gaige, RPR  Notary Public  My commission expires:</p>
<p style="text-align: right;">Page 243</p> <p>1 DEPONENT SIGNATURE PAGE  2  3 CAPTION: IN RE: ETHICON, INC.  4 PELVIC REPAIR SYSTEM  5 PRODUCTS LIABILITY LITIGATION  6 DEPONENT: TED M. ROTH, M.D.  7  8 I, TED M. ROTH, M.D., acknowledge that I have  9 read Pages 1 through 242 inclusive of the  10 transcript of my deposition taken on  11 March 16, 2017. I further acknowledge that:  12 (check appropriate language)  13 _____ the same is a true, correct, and complete  14 transcription of the answers given by me to  15 the questions recorded therein.  16 OR  17 _____ except for the changes noted on the attached  18 errata sheet, the same is a true, correct,  19 and complete transcription of the answers  20 given by me to the questions recorded  21 therein.  22  23  24</p> <p style="text-align: right;">_____  TED M. ROTH, M.D.</p> <p>Subscribed and sworn to before me  this _____ day of _____, 2017  _____  Notary Public</p>	<p style="text-align: right;">Page 245</p> <p>1 THE ORIGINAL DEPOSITION OF TED M. ROTH, M.D.  2 SHOULD INCLUDE THE FOLLOWING CORRECTIONS:  3  4  5  6  7  8  9  10  11  12  13  14  15  16  17  18  19  20  21  22  23  24</p> <p style="text-align: right;">_____  TED M. ROTH, M.D.</p>

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